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BULLETIN
OF
A. & T. COLLEGE

PUBLISHED BY
THE AGRICULTURAL AND TECHNICAL
COLLEGE OF NORTH CAROLINA

Obedience to the Law is the Largest Liberty



Issued Quarterly
GREENSBORO, NORTH CAROLINA
CALENDAR 1933-1934

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THIRTY-EIGHTH
ANNUAL CATALOG
of the
Agricultural
AND
Technical College
OF NORTH CAROLINA
(Co-Educational Institution)

Recognized as A STANDARD COLLEGE by North Carolina Department of Education, the Board of Regents of the State of New York, the Council of Education of the State of Pennsylvania, the American Medical Association, the Southern Association of Colleges and Secondary Schools.

1932-1933
with announcements for
1933-1934

GREENSBORO, NORTH CAROLINA

COLLEGE PUBLICATIONS

The Bulletin of the A. & T. College.
Published annually as the official
catalog of the college.

The Bulletin of the A. & T. College
Summer Session. Published annually
as the official catalog of the Summer
School.

The Bulletin of the A. & T. College
—pictorial review of the college.
Published annually.

The Register—the official organ of
the student body. Published monthly.
Edited and managed by the student
body under the supervision of the
college staff.

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ANNOUNCEMENTS

NOTE ANNOUNCEMENTS—IMPORTANT TO EVERY STUDENT

1. VACCINATION.—Each student is required to be vaccinated on entering unless evidence be presented to satisfy the college physician that vaccination is unnecessary.

2. LODGING DEPOSITS.—Students should secure rooms at once for September lodging, by paying one dollar for reservation of room.

3. EXAMINATIONS.—Entrance examinations and examinations for removal of conditions will be held September 11th. All students who have conditions to remove should avail themselves of this opportunity.

4. BOARDING STUDENTS.—All students who room on the campus must take meals in Murphy Hall.

5. NON-RESIDENT STUDENTS.—The college will not permit students whose legal residence is not in Greensboro to board and lodge off the campus unless they have employment that requires them to live on the premises.

6. The college will not permit fraternities, sororities, or other groups to establish "houses" off the campus.

7. ENTRANCE FEES.—Each student must pay in cash all entrance fees and expenses for the first month, when he registers.

8. FEES: *Monthly and Quarterly*.—Any student whose bills are not paid on or before the day following the date on which such bills are due, will be excluded from all college privileges until such bills are paid.

9. CREDIT.—Each regularly classified student will be required to register for 13 hours of work as a minimum. The maximum shall be 17 hours except as provided for by exceptional scholarship. See page 21.

10. GRADES.—Any student who illegally drops a course for which he registered, shall be assigned the grade of "F" at the end of the quarter. See page 20.

11. COMPLETE REGISTRATION.—No credit will be granted for courses added to one's schedule after his registration has been approved.

12. CUTS.—The number of cuts permitted in any course in any quarter shall not exceed the number of hours which the course meets per week. For every multiple of the cuts thus allowed or for any fractional part of this multiple, one hour of credit shall be deducted from the total credit assigned to the course.

13. CUTS, NEAR HOLIDAYS.—Every *cut* immediately preceding, or immediately following, any holiday shall be counted as *TWO CUTS*.

14. LATE FEES.—Each registrant will be required to pay 50c for each day that he is late after the last day assigned for registration.

15. DISMISSAL.—Any student who manifests unwillingness to conform to the rules and regulations that are prescribed, or, that may be prescribed to govern the student body, or, any student whose influence or deportment seems detrimental to the best interest of the school, will be asked to withdraw from the Institution.

16. To encourage scholarship and integrity, the college will publish an Honor Roll at the end of each quarter.

17. All students whose average grade in all courses and deportment is "B" shall be eligible for the Honor Roll.

18. All students shall be required to participate in some one extra curricula activity, upon which he shall be graded with regards to excellence.

All students whose average grade is "A" in all courses and deportment for three consecutive quarters shall be eligible for free tuition for a similar period.

SCHEDULE OF ENTRANCE AND REMOVAL OF CONDITION EXAMINATIONS

The college will conduct entrance examinations and also examinations for removal of conditions September 11, 1933.

The hours for examination are 8:00 a.m. and 1:30 p.m. Students intending to take any of the examinations scheduled must appear at least an hour before the time of the examination and report to the office of the Registrar, for registration and instructions.

MONDAY, SEPTEMBER 11, 1933—

8:00 to 10:00 a.m.:

HISTORY—Ancient, Medieval, Modern, American, Civics; Dairying; Architecture; Physics, Sociology; Psychology.

10:00 to 12:00 noon:

ENGLISH—Composition and Rhetoric, Literature, English and American; Industries; French; German; Latin; Poultry; Botany.

1:30 to 3:30 p.m.:

MATHEMATICS—Algebra, College Algebra, Trigonometry, Calculus; Political Science; Agronomy; Horticulture; Chemistry; Commercial Courses; Biological Sciences; Economics.

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1934

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COLLEGE CALENDAR

CALENDAR, 1933-1934

- September 11—Entrance examinations and examinations for removal of conditions.
- September 12—Registration of Freshmen and new students.
- September 13—Registration former students.
- September 14—Fall term begins.
- December 20, 21, 22—Fall term examinations.
- January 3—Registration winter term.
- January 4—Winter term begins.
- March 7, 8, 9—Winter term examinations.
- March 12—Registration Spring Quarter.
- March 13—Spring term begins.
- May 23, 24, 25—Spring term examinations.
- May 27—Baccalaureate sermon.
- May 29—Commencement.
- June 4—Registration for Summer Session.

HOLIDAYS

Thanksgiving Day and Friday following; Christmas holidays, December 21, 1933—January 3, 1934; Easter Monday; July 4.

SPECIAL DAYS

Dudley Day—November 2, 1933.

Douglas' Birthday and Negro History Week, February 9-15—Special program by English department. Education Week.

Arbor Day, March 15—Special program by School of Agriculture.

Morrill's Birthday, April 14—Agriculture and Mechanic Arts Societies have special programs.

Farmers' Conference, July 24-25.

BOARD OF TRUSTEES

AGRICULTURAL AND TECHNICAL COLLEGE

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L. S. COVINGTON	W. L. POTEAT

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C. M. VANSTORY	Greensboro, N. C.

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 Master Mechanic Division
Instructor in Auto Mechanics

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H. D. BLUFORD

Graduate, Pratt Institute, Brooklyn
Dietitian

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15

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I. NAOMI HARRIS

Hartshorn Memorial College

Recorder in Office of Registrar

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Hartshorn Memorial College; B.S., Hampton Institute

Secretary to President

ALLISON GORDON, B.S.

B.S., A. and T. College

Secretary to the Director, School of Mechanic Arts

S. P. SEBASTIAN, M.D.

Leonard School of Medicine; Shaw University

College Physician

M. F. HOLT

Hampton Institute

Superintendent of Grounds and Buildings

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B.S. Agriculture, A. and T. College

District Agent

DAZELLE FOSTER LOWE, B.S.

B.S., Shaw University

District Home Demonstration Agent

A. M. MURRAY

Hampton Institute

Home Demonstration Agent, Guilford County

W. B. HARRISON

S. C. State College

Guilford County Agent

HISTORY OF THE COLLEGE

This college was established by an act of the General Assembly of North Carolina, ratified March 9, 1891. The object of this institution is declared by the act to be for instruction in practical agriculture, the mechanic arts and such branches of learning as relate thereto not excluding academic and classical instruction.

The management and control of the college and the care and preservation of all its property are vested in a Board of Trustees, consisting of fifteen members, who are elected by the General Assembly, or appointed by the Governor, for a term of six years.

The Trustees, by the act of the Legislature have power to prescribe rules for the operation of the college; to elect the president, instructors, and as many other officers and assistants as they shall deem necessary; and have general and entire supervision of the establishment and maintenance of the college.

The financial support of the college for the payment of salaries and purchase of apparatus and equipment is derived from the United States, under an Act of Congress, known as the "Morrill Act," passed August 20, 1890. This act makes an annual appropriation for each State and Territory for the endowment and support of colleges for the benefit of agriculture and mechanic arts to be applied "only to instruction in agriculture, the mechanic arts, the English language and the various branches of mathematics, physical, and natural economic sciences, with special reference to their application in the industries of life and the facilities of their instruction."

The college also receives an appropriation from the State for general maintenance, which cannot be provided for under the laws governing the use of Federal appropriations.

The citizens of Greensboro donated fourteen acres of land and \$11,000 to be used in the construction of buildings. In 1893 this was supplemented by an appropriation of \$10,000 by the General Assembly. Dudley Hall was completed in 1893 and the school opened in the fall of that year.

THE COLLEGE BUILDINGS

The college buildings are heated with steam and lighted by electricity. All the buildings are kept in a sanitary condition

and the healthfulness of the campus and surroundings is well known.

NEW DUDLEY HALL

On January 27, 1930, the original Dudley Hall was destroyed by fire. The erection of the New Dudley Hall was undertaken immediately thereafter. February 15, 1931, it was occupied. This is a fine fireproof structure of three stories, larger and better built to meet the needs of a modern college. It contains classrooms, assembly room, library, offices for the President, Dean of Science College, Treasurer, Registrar, Bursar, and other administration divisions.

LIBRARY

Our Library is housed in the New Dudley Administration Building. Already 18,000 bound volumes carefully selected to meet the varied needs and interests of modern college students, have been added.

Leading daily papers, periodicals and other publications in many fields of activity are regularly received.

The main reading room is large and well appointed. It is under personal direction of a specially trained librarian and is open daily to all students of the college.

NORTH DORMITORY

The North Dormitory is a three-story building which contains rooms for about 70 students.

SOUTH DORMITORY

The South Dormitory is a three-story, brick building, which contains rooms for 92 students, the basement of which is used for store rooms.

MORRISON HALL

Morrison Hall is a fireproof, three-story building with basement. It contains rooms for 130 students.

AGRICULTURAL BUILDING

The Agricultural Building is a fireproof, three-story structure, with basement. It contains laboratories for botany, dairy products, zoology, geology, physics and chemistry and class rooms and offices for the Dean, School of Agriculture and the heads of divisions.

MECHANICAL BUILDING

The Mechanical Building is a two-story brick building, with basement. In the basement of this building are located the brick shop, wood turning shop and carpentry machine shop. On the first floor are the machine, the carpentry, the tailor and the shoe repair and leather work shops, while on the second floor are the Director's office, drawing rooms, electrical engineering laboratory and seminar room.

AUTO MECHANICS BUILDING

The Automobile Mechanics Building is a one story fireproof structure. It is located on East Market Street, which is also highway number 10. The building is 120 by 55 feet and contains lecture room, offices, battery charging room, locker and tool room, auto mechanics laboratory and storage room for automobiles. The repair division which is operated in connection with instruction is open for general service daily except Sunday.

MURPHY HALL

Murphy Hall is a one-story, fireproof building, which contains the dining room and the kitchen and refrigeration plant. The dining room contains seating capacity for 800 students. It is one of the most beautiful buildings of its kind to be found in the State.

FORGE SHOP

The forge shop is located in a separate brick building and is equipped with individual forges and forge shop machinery.

POWER PLANT

A new central heating and power plant has recently been installed containing boiler capacity of 600 horse power and affords the students of Mechanical Engineering the opportunity of practical experience in boiler room operation and management. Attached to the power plant is a modern steam laundry with most modern equipment.

ADMISSION TO COLLEGE

Admission to Freshman class may be gained by:

- (a) Entrance Examination conducted by the College.
- (b) Examinations conducted by College Entrance Board,
and
- (c) Through certificate from accredited schools.

Students who desire admission to the Freshman class by certification must show that they have completed fifteen units of high school work. At least ten units should be in the following subjects:

English	4 units
History	1 unit
Foreign Language or Vocational Work....	2 units
Algebra	1 unit
Plane Geometry	1 unit
Science	1 unit

The remaining credits to make up the fifteen units may be offered from the following subjects: Foreign Languages, 2; Mathematics, 2, including Plane Geometry $\frac{1}{2}$, Solid Geometry $\frac{1}{2}$; Science, 2; History, 1; Mechanical Drawing, 1; Agriculture, 2; Manual Training, 1.

(Note: Only 2 units of non-Academic work will be accepted in the 15 units of work.)

UNIT OF CREDIT

A unit of work in the above requirements is approximately a fourth of a year's work in a secondary school. It is assumed that a study is pursued for four or five periods a week; that the recitation periods are from forty to sixty minutes in length; and that the length of the school year is from eight to nine months. In the College the unit of credit is the term hour which stands for one recitation or two laboratory periods per week for twelve weeks. Each recitation period carries with it approximately two hours of preparation.

SPECIAL STUDENTS

In exceptional cases applicants, of mature years, or, of special training along particular lines, or of long experience in specific fields of knowledge, may be admitted to the college to study certain subjects, as special students, even though they cannot satisfy entrance requirements. Such students must do a passing grade of work in each course for which they may be permitted to register, or they will be asked to withdraw from said course.

ADMISSION REQUIREMENTS

Applicants for advanced standing will be passed upon by the Admission Officer.

All persons who desire to enter the college should make application to the Registrar before the opening of the quarter in which they wish to enroll. Those who desire to be admitted by certificate should apply as soon as possible after graduation from high school. For all applicants the blank form found in the back of the catalogue is sufficient. Early attention to this matter will save the student much delay at the opening of the session.

Admission to the College must be secured in one of the following ways:

1. By certificate. Graduates from high schools in the State will receive entrance credits according to the standing of their respective schools, as shown by the official bulletin of the State Department of Education.

2. If the student is not a graduate of an accredited high school, he must comply with the requirements by examination. Entrance examinations will be held at the college on September 11th.

3. Every student, irrespective of the method by which he seeks admission, must present to the college through the principal of his former school, a transcript covering his entire record of subjects and grades for four years, and second, a statement including principal's estimate of his character.

Note. The college will administer a placement test to all entering students. All who fail in this examination shall be assigned to a no-credit course in English (English 200).

REGISTRATION AND CREDITS

All regular students will be required to register for 13 hours of prepared work per quarter, as a minimum. The maximum shall be 17 hours per quarter except as follows:

- (a) Students whose general average is "C" shall be held to the above requirements, for the quarter following such a record.

- (b) Students whose average is "B" with no grade below "C" may be permitted to register for not more than 18 hours of prepared work.

- (c) Students whose average is "A" with no grade below "B" may be permitted to register for not more than 21 hours' work for the quarter following such a record.

MARKING SYSTEM

<i>Grade</i>	<i>Grade Points</i>
A (Excellent)	3
B (Good)	2
C (Fair)	1
D (Poor, but passing)	0
E (Condition)	0
F (Failure)	0
I (Incomplete)	
W.P. (Withdrew, passing)	
W.F. (Withdrew, failing)	

The maximum points which a student can make under this system will be 588, the minimum 196. That is, in order to graduate, a student must make an average of "C."

GRADES

The student's work in any course will be rated A, B, C, D, E, F, or I, for quality, and 3, 2, 1, 0, 0, for effort, in accordance with the following definitions:

A—The work done by students receiving the mark A shall have *uniformly* shown the following qualities: Thorough comprehension and retention both of the facts and the principles of the subject; ability to reproduce these facts and principles readily, accurately, and concisely, orally and in writing, in good English; power to correlate the material with other branches of the subject and with other subjects; individual reaction upon the material, shown by the ability and the tendency to apply the methods of the course to new and original problems and situations with reasonably sound results—in other words, intellectual initiative.

B—The mark B shall be given to students whose work is characterized by thorough comprehension and accurate reproduction as in the case of those receiving A, but without marked originality or initiative. B may indicate either consistent work of this sort, or an average representing a combination of occasional achievements of A quality with other less distinguished work. All B work is creditable, indicating more than average ability and application, and capacity for advanced studies in the subject.

C—The mark C represents work which shows neither special merit nor conspicuous neglect. The work is such that there has been, at least in the latter part of the quarter, no question of failure of discipline. A fair degree of ability and application has

produced results which, while indicating no special aptitude for the subject, have yet definitely contributed to the student's intellectual advancement.

D—The mark D represents inferior work, due to insufficient application, defective preparation, or marked lack of aptitude for the subject, but not so poor as to require repetition of the course. The student has been on the border line of failure and has required warnings and extra attention. His standing indicates that the work is barely worthy of credit and, if the course is a part of a major, that the wisdom of his continuing with advanced work in that subject is open to question.

E—All work which has been of such an inferior or uncertain quality that re-examination is necessary is ranked as E. This opportunity will be granted on the fourth Saturday following the first examination. If the student fails to report the grade of F shall be assigned.

F—All work which is so inferior as to demand repetition shall be ranked as F.

I—I indicates that the quarter's work is incomplete but not a failure. This mark may be changed, if the work is completed by the end of the quarter following that in which it is given.

To Drop a Course a student should consult the head of the department in which he is registered. Permission when granted shall be in writing, which permit must then be deposited in the office of the Registrar who will recall the class card and the student is then relieved of further responsibility in the course in question.

ADDITIONAL COURSES

Students will not be permitted to add a course except on the approval of the Dean of the College in which he is taking his work, and in no case later than two weeks after the class work has begun.

GRADUATION REQUIREMENTS

Graduation from the A. and T. College involves the satisfaction of the following requirements:

1. The candidate for a degree must have selected a specific curriculum, having the approval of the Dean of the College in which he is registered. This curriculum must be completed.

2. Whether registered in Agriculture, Arts and Science or Mechanic Arts he must complete 196 quarter hours and 196 grade points.

3. He must complete a satisfactory thesis. A copy of the thesis must be filed with the Registrar on or before May 15th of the Senior Year.

4. It is the aim of the institution to send forth men and women who are fit representatives. To this end, the faculty reserves the right to refuse to admit any student to the Senior Class or to promote any one who, though qualified by class record, may otherwise seem unfit.

5. The college reserves the right to require candidates for graduation to spend at least one summer on the grounds for practical work, unless they furnish satisfactory reports from responsible persons as to their efficiency.

6. Payment of Diploma fee of five dollars (\$5.00) must be made to the Bursar on or before May 1st preceding graduation.

7. Students in graduating class must clear all conditions by close of winter quarter.

DEGREES

All students successfully completing any of the four year courses of study, shall be entitled to the degree of Bachelor of Science.

Those graduating from any curricula offered in the Technical Sciences shall be entitled to the Bachelor of Science degree in Engineering, Architecture and Construction, or Industrial Arts.

Those graduating from any curricula in Agriculture shall be entitled to the degree of Bachelor of Science in Agriculture.

Students successfully completing any curricula in Sciences shall be entitled to the degree of Bachelor of Science.

GENERAL INFORMATION

Students desiring assistance in defraying expenses, as far as possible, will be allowed to work, for which they can get credit each month at the time of their advance payment.

The pay allowed all students, except Seniors, shall be in settlement of their accounts or claim against the college.

The several industries operated in the school afford opportunity for a limited number of needy but industrious students to help themselves. It is impossible to state definitely and in advance how much a student, and especially a new one, can earn per month.

ORGANIZATIONS

HONOR SOCIETY

The Gamma Tau is a society composed of honor students to which any student may be eligible provided: that he has completed two quarters of work of Junior Classification and has gained a minimum of two grade points for each hour of credit during his college course—the minimum being 130 credit hours and 260 grade points.

FRATERNITIES

The following national fraternities have chapters at the college for college men: Alpha Phi Alpha, Omega Psi Phi, Phi Beta Sigma, and Kappa Alpha Psi.

SORORITIES

The following national sororities have established local chapters: Alpha Kappa Alpha and the Delta Sigma Theta.

THE COLLEGE LITERARY SOCIETY

The Kappa Phi Kappa Forensic and Literary Clubs, designed to stimulate interest in public speaking and literature, is composed of college students who have distinguished themselves in public performances in these fields. This club, assisted by the college students as a whole, who act as associate members, constitute the center of the extra curriculum activities of the college, and is active in promoting the intellectual and cultural development of the institution.

In addition to the societies mentioned above there are other well organized clubs: the Dramatic Club, the Glee Club, the Athletic Club, the French Club, the Social Science Club, the Botany Club and Mathematics Club. These clubs afford the students a wonderful opportunity for development.

There are two technical societies, in which special topics in connection with agriculture, mechanics and chemistry are considered in a manner conducive to independent thought and research.

RELIGIOUS ACTIVITIES

It will be the purpose of the college to maintain a high moral tone and develop a broad, tolerant religious spirit among the students. In this connection there is a well organized Y. M. C. A. and Y. W. C. A., which meet twice a week for song and praise. A special service will be conducted in the chapel each Sunday by pastors representing the different denominations of the city. Sunday school is conducted every Sunday during the school year. All religious services will be free from sectarianism.

INDUSTRIAL MUSEUM

An industrial museum has been started and already valuable collections of work done by students are to be seen. We have collections representing the work in carpentry, blacksmithing and the various trades; also specimens from the Agricultural, English and Dairy departments. Such articles for exhibit are collected every month.

THE COLLEGE BAND

The College Band of more than thirty pieces occupies an important place in the life of the Institution. Instruction by an expert Bandmaster is given in all band instruments. A splendid opportunity is thus offered competent and worthy students to learn band music without extra expense to themselves.

Membership in the band is open to regular students of the College.

THE COLLEGE RADIO STATION

The College has established an Amateur Radio Station which is a part of the Electrical Laboratory. The Radio Department contains two detector-two-step short wave receivers, one Aero Screengrid four tube receiver, two Hartley high C transmitters with power supply and filters, a General Radio type 558 wave-meter, a television receiver, and all the necessary equipment needed to operate the above apparatus. The call letters of the Station are W4JW. Students of the College are eligible for membership in the A. and T. Radio Club from which is chosen the staff of station operators.

The station is a member of the American Radio Club league and the Army Amateur Radio Relay System. It has exchanged messages with all parts of the United States and its insular possessions, and many foreign countries.

OPPORTUNITIES FOR NURSE TRAINING

The School of Nurses of the L. Richardson Memorial Hospital has established an affiliation with the A. and T. College, which makes it possible for young women who have completed their courses in nurse training to receive degrees from A. and T. College when they shall have met the College requirements for graduation. This should take from one to two years of additional study.

In recent years there has been a great increase in the number of hospitals established for Negroes, which brings about a corresponding demand for trained nurses. There is a great demand for nurses with college training to serve as superintendents of hospitals and in other executive positions. It is, therefore, hoped that a large number of young women will take advantage of the opportunities offered in this field.

THE FOLLOWING SCHOLARSHIPS AND PRIZES WILL BE AWARDED IN 1932-1933

COLLEGE SCHOLARSHIPS

The college will grant a scholarship for one year to any student who makes an average grade of "A" for the three-quarters of the preceding school year. This scholarship will pay tuition and can be used for no other purpose.

PRIZES

A prize of \$3.00, known as the Cone Cash Prize, will be given to the student who submits the most practical, original suggestion for the improvement of college affairs.

MEDALS

The John Merrick Medal will be awarded to the student completing the full mechanical course with the best four-year record in the college department.

The M. F. Spaulding Medal will be awarded to the student completing the full four-year course in agriculture with the best record.

The Saslow's, Inc., Medals will be awarded (a) to the member of the graduating class who completes the four-year course in the Science College with best record and (b) to the student who graduates with the best record in Social Sciences.

The Simpkins Medal in Natural Sciences shall be awarded annually to the student who completes the first two years of work in this college with the best record. The medal shall be awarded under the following conditions:

(a) To the student who makes the best record in Natural Sciences, no grade in which can be below "B."

(b) The best record in General Inorganic Chemistry (not less than 10 hours).

(c) The best record in other Natural Sciences (not less than 10 hours, 5 of which must be in some natural science other than Chemistry).

THE SEBASTIAN MEDAL

Dr. S. P. Sebastian offers a Gold Medal to the student completing the first three years of any course in college towards the Bachelor's degree, with the best record in deportment and scholarship.

THE KAPPA PHI KAPPA KEY

The Kappa Phi Kappa Key was first awarded in 1928 by the Kappa Phi Kappa debating society. Since that year the key has been offered in honor of the late Mrs. Ophelia Chandler, of Asheville, by her son, Harold B. Chandler, B.S., '28.

The key is awarded to the member, or members, of the graduating class who have been speakers on the college debating team for two years.

DEBATING TEAM, 1933

<i>Affirmative</i>	<i>Negative</i>
Curran W. Williamson	Walter H. Monroe
Martin Luther Wilson	Curl C. Griffin
<i>Alternate</i>	<i>Alternate</i>
Frank Caldwell, Jr.	John Lovell Withers

SUMMER SCHOOL

In Point of Continuous Service the Oldest Summer School in the Country for Negroes

The thirty-sixth annual summer session of the A. and T. College Summer School will begin June 5, 1933, and continue for twelve weeks.

Aside from the splendid opportunity which the Summer

School offers teachers in service to raise their certificates and thereby obtain better salaries, the college makes it possible for the ambitious teacher to obtain a standard degree by attending the summer school.

Students who are in college may shorten their stay in college by attending summer school. Students from other institutions may enter the summer session for credit in their respective institutions, by permission from either the President or Dean, of their respective colleges. Such students will not be required to present a complete record of their previous training, but will be required to present a signed statement from the President or Dean indicating the summer courses for which credit will be allowed.

EVENING SCHOOL

The college conducts an Evening School for Teachers in service, and others who can qualify for the courses offered. All evening courses are the same as such courses that are offered in the regular day classes, and may be offered towards a degree. Admission to the Evening School is the same as for the same school in the regular day classes. The same amount of work is required and a similar grade of work is required for the same amount of credit.

EXPENSES

Parents and guardians are advised that all sums of money intended to defray expenses of students should be sent to the Bursar of the College. If this suggestion is followed, it will not be possible for a student to spend for other purposes money sent him to meet his school bills. School bills must be paid by cash, postoffice money order, or bank draft. Personal checks are not accepted.

Although it is the aim of the College to furnish as much employment as possible to assist students in defraying expenses, no promise nor guarantee can be made in advance to furnish such work.

No money paid on school bills will be returned except such as may be paid in advance of the current month, and no student will be credited with fractional parts of monthly payments, except that students entering may make their initial payment to the first of next month.

Positively no students will be allowed to enter any department of the college without paying in cash the first month's expenses, as stated below.

EXPENSES AND FEES

Boarding students entering for the first time should be prepared to make the following payments:

Board, Lodging, Tuition and Maintenance.....	\$19.50
Laundry	1.00
Lecture Fee	2.50
Dining Hall Fee	1.00
Library Fee	3.00
*Registration Fee	3.00
Medical Fee	3.00
Athletic Fee	7.00
†Incidental Fee	2.50
Laboratory Fee (Maximum)	- - - - -
College Register Fee	- - - - -

REDUCED EXPENSES

SINCE THIS CATALOG HAS BEEN PRINTED EXPENSES OF BOARDING STUDENTS HAVE BEEN REDUCED TO \$45.50 INSTEAD OF \$48.00 UPON ENTRANCE AND \$18.00 PER MONTH THEREAFTER INSTEAD OF \$22.50 AS PUBLISHED IN THE CATALOG.

payments:

†Tuition and Maintenance	\$ 8.00
Library Fee	3.00
Lecture Fee	2.50
*Registration Fee	3.00
Athletic Fee	7.00
†Incidental Fee	2.50
College Register Fee	1.00
Laboratory Fee (Maximum)	4.00
Medical Examination Fee	1.00

Total.....\$32.00

Monthly Payments—Boarding Students

Boarding, Lodging, Tuition and Maintenance.....	\$21.50
Laundry	1.00

Total.....\$22.50

*Registration fee for former students \$1.00.

†Incidental fee will be returned in full or proportional part to students at end of school year, provided breakage does not exceed full amount paid. This fee only provides for building and campus equipment, and does not cover special laboratory equipment.

Monthly Payments—Day Students

	Non-Residents of Greensboro	Legal Residents of Greensboro
Tuition and Maintenance.....	\$8.00	\$6.00

TERM PAYMENTS

(Fees Payable at the Beginning of Each Term)

Biology Lab.	\$ 3.00
Bacteriology Lab.	3.00
Dairy Lab.	2.00
Botany Lab.	3.00
Chemistry Lab.	4.00
Physics Lab.	3.00
Zoology Lab.	3.00
Seeds Lab.	2.00
Soils Lab.	2.00
Horticulture Lab.	2.00
Drawing Fee	1.00
Commercial Course	4.00
Electrical Engineering	3.00
Electricity and Plumbing	2.00
Machine Shop Practice	3.00
Contracting and Building Fees:	
Masonry	4.00
Carpentry	3.00
Auto Mechanics	5.00
Blacksmithing	3.00
Carpentry	3.00
Masonry	4.00
Shoemaking	3.00
Tailoring	5.00

Other Fees

Registrar's Fee (for each transcript of a student's record)	\$ 1.00
Fine Per Day for Late Class Registration, each Quarter....	.50
Music (two lessons per week and use of Piano for practice) per month	4.00

Note: All fees and bills are payable in advance. Make all post-office money orders, bank drafts and cashier's checks payable to A. and T. College. Personal checks are not accepted, unless certified.

*Registration fee for former students \$1.00.
‡Tuition and Maintenance for Legal Residents of Greensboro \$6.00.
†Incidental fee will be returned in full or proportional part to students at end of school year, provided breakage does not exceed full amount paid. This fee only provides for building and campus equipment, and does not cover special laboratory equipment.

SCHEDULE OF STUDENT PAY DAYS FOR 1933-1934

September 11th

October 9th

November 6th

December 2nd

January 3rd—(Laboratory Fees for Winter Quarter Due)

February 1st

March 1st

April 2nd—(Laboratory Fees for Spring Quarter Due)

May 1st

LAUNDRY

The college operates a well-equipped steam laundry for the benefit of the students. Each boarding student is therefore required to have at least a dollar's worth of laundry done each month.

These charges are payable strictly in advance.

Students at the time of the advance payment will be given receipts, which will admit them to the class rooms, work shops and dining hall when properly signed.

In addition to the above expenses, the cost of textbooks must be considered. This will amount to about \$12.50 per year.

Board, lodging, medical fee, tuition and incidental fee must be paid before the rooms are assigned and tickets of admission to class rooms, work shops and dining hall are issued.

Parents should see to it that bills are paid on time, as students will not be permitted to attend their classes unless their bills are paid.

Each student should bring two quilts or blankets, one counterpane, four sheets, two pillow cases, six towels, four napkins, etc.

DEPARTMENT OF AGRICULTURE

M. F. SPAULDING, *Director*

The School of Agriculture aims to educate efficient farmers, teachers of agriculture, agricultural extension workers, teachers of Home Economics and leaders in other lines of agricultural activities. Courses are given in the various departments of technical agriculture.

The School of Agriculture is well equipped to train men and women in horticulture, dairy manufacturing, dairy production, poultry production, rural engineering, rural sociology, rural education, farm crops and soils, floriculture and animal production.

EQUIPMENT

The new Agricultural Building provides ample room for all agricultural class and laboratory activities. The third floor is occupied by the chemistry laboratories; two large rooms are equipped on the second floor for the botanical and zoological laboratories; the bacteriology is on the first floor, and the entire basement for laboratory work in soils, farm crops, geology, horticulture and dairy manufacturing.

In addition to the laboratories and class rooms provided for in this building, there is also a museum, which is to contain hundreds of specimens of normal and diseased plants, insect pests, life histories, etc., found throughout the State of North Carolina and in many parts of the entire country.

CAMPUS

The campus, containing approximately twenty-eight acres, offers an opportunity for practice in landscape gardening, vegetable growing. There are also two splendid greenhouses on the campus that make it possible to give instruction and practice in greenhouse management, a very popular and promising feature of our agricultural activities.

FARMS

The college has two farms. The old farm is located on State Highway No. 10, and also on the Southern Railroad from Greensboro to Goldsboro, about one mile from the campus, and

contains one hundred and three acres. There are on this farm a modern poultry plant, modern piggery, modern dairy barn, an orchard containing over three hundred and fifty trees of several kinds of fruits, and about two hundred small fruits, which contains several varieties of raspberries, dewberries, grapes, etc., a thirty-two acre permanent pasture, implement sheds and barns. There is also a two-story brick dormitory for the dairymen, farm superintendent and farm project boys.

The new farm contains one hundred and forty-three acres and is located on the McConnell road about one mile south of the old farm. It has a very large shed on it for sheltering the farming implements.

These farms are well equipped with modern implements necessary for successful farming under North Carolina conditions. The farms are ideal in size because they give an opportunity for instruction and practice in handling small farms on an intensive basis, the type of farming that will inevitably be followed in this country.

SPECIAL WINTER SHORT COURSE

Several short courses are offered to meet the needs of young men on the farm who find it impossible to take one of the regular courses. They are offered during the winter term at a time when it is most convenient for the farmers to leave home for a few weeks. There are no entrance requirements for these courses.

DISTRICT FARMERS' MEETING

The annual farmers' meeting for the western district of North Carolina, including Guilford County, will be held in February, 1934. The purpose of this meeting is to help farmers make their spring plans. Prominent speakers will address the farmers and dinner will be served them on that day. This meeting is not to take the place of the annual Farmers' Conference in August.

FOUR-YEAR COLLEGE COURSE IN AGRICULTURE

This course leads to the B.S. degree in Agriculture. The entrance requirements are the same as given on page 20.

REQUIREMENTS FOR GRADUATION

The successful completion of one of the prescribed curricula comprising a minimum of 196 term credits and a thesis are required. In addition, the student must have a thorough, practical

knowledge of farm activities and rural life conditions before receiving his degree. Students who have not had this experience before entering the course will be given an opportunity to get it during their college career.

THE AIM

This course aims to give the scientific, or technical training (based on a practical knowledge of farm activities) that will enable those completing it to hold positions of trust as owners and conductors of farms, teachers of agriculture, extension workers, teachers of home economics and specialists. Aside from the instruction in technical agriculture the course gives a broad training in the sciences related to agriculture, the liberal and professional subjects.

THE AGRICULTURAL ASSOCIATION

All agricultural students are required to attend the bi-monthly meeting of the Agricultural Association. Absences from these meetings will be treated as absences from any other college appointments.

CURRICULA

The curriculum in General Agriculture aims to give the student instruction in courses which will prepare him for intelligent, practical farming, for farm management, and extension service.

The curriculum for Teachers of Agriculture is designed to prepare the trainee to qualify under the provisions of the Smith-Hughes Law to occupy positions as teachers of vocational agriculture in the State of North Carolina and the south. Students who expect to teach vocational agriculture will be required to meet the professional requirements of the State of North Carolina.

AGRICULTURAL CURRICULUM FOR TEACHERS

Freshman

	Fall	Winter	Spring
English 211, 212	5(5-0)	5(5-0)	.....
Horticulture 111 or Dairying 111.....	.....	.....	5(3-4)
Chemistry 111, 112, 113.....	5(3-4)	5(3-4)	5(2-6)
Military Science 211, 212, 213.....	1(0-2)	1(0-2)	1(0-2)
Agronomy 111, 121, 112.....	3(2-2)	3(2-2)	3(2-2)
Poultry Husbandry 111,			

Animal Husbandry 121, 122.....	3(2-2)	3(2-2)	3(2-2)
Mus. or Art 211, 212, 213.....	1(0-2)	1(0-2)	1(0-2)
Total hours	18	18	18

Sophomore

English 221, 222	5(5-0)	5(5-0)	.....
Geology 131 or Dairying 144.....	.....	.....	5(3-4)
Chemistry 122, Bacteriology 121.....	5(2-3)	2(1-2)	3(2-2)
Poultry Husbandry 131, 132.....	.....	3(1-4)	2(1-3)
Military Science 221, 222, 223.....	1(0-2)	1(0-2)	1(0-2)
Botany 111, 112, 121	3(2-2)	3(2-3)	3(2-2)
Zoology 111, 121, 131	3(2-2)	3(2-3)	3(2-2)
Mus. or Art 221, 222, 223	1(0-2)	1(0-2)	1(0-2)
Total hours	18	18	18

Junior

Education 237, 238, 231	3(3-0)	3(3-0)	5(5-0)
Economics 231, 271, 273	5(5-0)	5(5-0)	5(5-0)
Rural Engineering 121, 122	3(2-2)	3(0-6)	.....
Botany 121 .....	.....	.....	3(2-2)
Animal Husbandry 123, 145, Elective	3(2-2)	4(2-4)	3()
Total hours	15	15	16

Senior

Education 271, 272, 273	3(3-0)	2(2-0)	1(1-0)
Education 274, 275, 276	2(0-4)	3(0-6)	1(0-2)
Drawing 221, 222, 223	1(0-2)	1(0-2)	1(0-2)
Agronomy 131, 141, 132	3(2-2)	3(1-4)	3(2-2)
Econ. 244, 245	5(5-0)	5(5-0)	.....
Dairying 145 .....	.....	.....	4(2-4)
Horticulture 122, 121, 131	3(1-4)	3(2-2)	3(1-4)
Thesis .....	.....	.....	2()
Total hours	17	17	15

MAJOR IN GENERAL AGRICULTURE AND EXTENSION SERVICE*

Junior Year

	Fall	Winter	Spring
Rural Sociology, Sociology 243.....	5(5-0)

*Students elect majors in Junior year.

Agricultural Econ., Business Law, 271, 236 .....	.....	3(3-0)	3(3-0)
Farm Marketing, Farm Mgt., Econ. 245, 273 .....	.....	5(5-0)	3(3-0)
Incubation, Brooding, Poultry 131, 132 .....	.....	3(1-4)	3(1-4)
Tobacco, Cotton, Agronomy 131, 132	4(2-4)	.....	4(2-4)
Diseases, Insects, Pests, Biology 131	.....	.....	3(2-2)
Electives	7.....	9.....	0.....

Senior Year

	Fall	Winter	Spring
*Extension Service, Observation and Practice in Extension Service, Ed. 278, 279	5(5-0)	5(0-10)	.....
Community Organization, Sociology 244 .....	.....	4(4-0)	.....
Herd Management, A. H. 145.....	.....	.....	4(2-4)
Seminar	1(1-0)	1(1-0)	1(1-0)
Thesis .....	.....	.....	3(0-6)
Electives	4.....	3.....	8.....
	—	—	—
	10	13	16

CURRICULUM FOR AGRICULTURAL SPECIALISTS

Farm Machinery, Farm Shop, Rural Engineering 121, 122	3(2-2)	3(0-6)	.....
Journalism, English 231	3(3-0)	.....	.....
Ed. Psychology, Ed. 231	5(5-0)	.....	.....
Plant Physiology, Botany 122, or Comparative Anatomy, Biol. 121 .....	.....	.....	4(3-2)
General Bacteriology, Bact. 121.....	.....	4(2-4)	.....
General Zoology, Biology 121.....	.....	.....	4(3-2)

Junior Year

Rural Sociology, Sociology 243.....	.....	.....	5(5-0)
Prin. of Econ., Agricultural Econ., Bus. Law, Econ. 231, 271, 236..	5(5-0)	3(3-0)	3(3-0)
Farm Marketing, Econ. 245.....	.....	5(5-0)	.....
Agricultural Major	6.....	6.....	6.....
Electives	9.....	6.....	5.....
	—	—	—
	20	20	19

*Students interested in general agriculture may select other courses.

Senior Year

Agricultural Major	6.....	6.....	6.....
Seminar .....	.....	.....	3.....
Thesis	1.....	1.....	1.....
Electives	3.....	6.....	6.....
	—	—	—
	10	13	16

MAJOR IN DAIRY HUSBANDRY

Junior Year

	Fall	Winter	Spring
Comparative Anatomy and Physi- ology, (Biol. 121) .....	.....	4(3-2)	.....
Embryology, (Zool. 123) .....	.....	.....	3(2-2)
Agricultural Economics, (Ec. 271)....	5(5-0)	.....	.....
Bacteriology, (Bact. 121).....	.....	.....	5(3-4)
Genetics, (Zool. 134) .....	.....	3(3-0)	.....
Agronomy, (Soils 121) .....	.....	4(3-2)	.....
Animal Husbandry, Advanced Study of Dairy Breeds, (A. H. 131)....	.....	.....	3(2-2)
Electives	4.....	3.....	3.....

Senior Year

Animal Husbandry, Pork Produc- tion (A. H. 124) .....	.....	3(3-0)	.....
Agricultural Economics, (Econ. 245) .....	.....	5(5-0)	.....
Animal Husbandry, Milk Secretion, (A. H. 141)	2(2-0)	.....	.....
Animal Husbandry, Dairy Herd Management, (A. H. 143)	4(2-4)	.....	.....
Animal Husbandry, Animal Breeding, (A. H. 144) .....	.....	3(3-0)	.....
Dairy Industry, Commercial Dairy- ing, (Dy. Ind. 145) .....	.....	.....	4(2-4)
Thesis	1.....	1.....	1.....
Commercial Law, 235, 236	5(5-0)	5(5-0)	3(3-0)
Electives	5.....	.....	5.....

NOTE:—Credits: Listed under terms, the figure to the extreme left indicates the term credits. The left-hand figure within the parenthesis indicates the number of recitations per week; the right-hand figure indicates hours of laboratory per week.

TWO-YEAR COURSE IN AGRICULTURE

This course is designed for farmers and prospective farmers who cannot leave their work for a long period, but who are desirous of improving their condition by learning how to produce and how to market. Students may enter this course at the beginning of any term.

Students taking the two-year course will be encouraged to select some phase of agriculture to which they are to give special study during the entire course. This work may be in Dairying, Field Crops, Horticulture, Poultry Production, and Swine Production. Projects in any of these phases of work must be of a nature approximately that of a real farming enterprise.

OUTLINE OF COURSES

First Year

	Fall	Winter	Spring
Com. and Rhetoric, Eng. 211, 212.....	5(5-0)	5(5-0)	.....
Soil Mgt., Field and Forage Crops			
Agronomy 111, 112	3(2-2)	4(3-2)	.....
Swine, Horse and Mule Prod., An.			
Hus. 111	3(2-2)	.....	.....
Principles of Farm Dairying, Dairy-			
ing 111 .....	.....	.....	5(3-4)
Gen. Farm Poultry Problems, Poul-			
try 111 .....	.....	3(2-2)	.....
Vegetable Growing, Hort. 111.....	.....	.....	4(2-4)
Home Grown Fruits, Farm Beautifi-			
cation, Hort. 121, 122.....	.....	3(2-2)	4(2-4)
Agricultural Electives	4.....	.....	4.....

Second Year

Nature and Properties of Soils,			
Agronomy 121 .....	.....	4(3-2)	.....
Diseases of Farm Animals, Breeding			
and Judging, Animal Nutrition,			
An. Hus. 121, 122, 123.....	3(2-2)	3(2-2)	3(2-2)
Farm Marketing, Farm Mgt., Eco-			
nomics 263, 273 .....	.....	5(5-0)	3(3-0)
Farm Machinery, Farm Shop, Road			
Building, Rural Engineering			
121, 122, 123	3(2-2)	3(2-2)	3(2-2)
Tobacco, Cotton, Agronomy 131, 132	4(2-4)	.....	4(2-4)
Agricultural Electives	4.....	.....	3.....

Description of courses will be found under the various heads as described in the regular course of instruction.

WINTER COURSE

The winter courses are business and occupational courses, not academic, hence there are no examinations for admission. However, in order that the student may be able to make the best use of the instruction it is necessary that he should have had a good common school education.

The only requirements are that they meet those of general admission. However, they are advised to review their mathematics and English, as quite often they are handicapped because of deficiency in same.

The courses are open to both men and women above the age of 16. Students are advised to come two years instead of attending only one session. They are advised to enter one of the various practical divisions so as to see the advantage of farm machinery and modern equipment in connection with the various farming operations.

Students who show a desire for special training will be given special courses in the following:

Soils and Fertilizers; Field Crops; Dairying; Poultry Production; Swine; Horticulture.

REGISTRATION

On Wednesday, January 4, beginning at 9 o'clock, all students should report for registration at the office of the Registrar of the College.

METHODS OF INSTRUCTION

Instruction in the winter courses is given by lectures, by such practical work (laboratory practice) in the various agricultural operations as can be conducted at that time of the year, and sometimes by trips or excursions to points of special interest.

HOME ECONOMICS

The course as outlined below is arranged to meet the needs of the following groups of students: Those who wish to teach, those who wish to enter graduate courses leading to technical or professional work, and those who wish to apply their knowledge to various problems of home life, or in fields of industry and social service in which an understanding of home economics subjects is essential to intelligent action.

The training given is as varied as it is broad. It includes a knowledge of the laws of health; an understanding of the sanitary requirements of the home; the study of values, both absolute and relative, of the various articles used in the home; the wise expenditure of money, time, and energy; the scientific principles underlying the selection and preparation of food; the right care of children; and the ability to secure efficient service from others.

A four-year college course in home economics will lead to a B.S. degree in Home Economics.

COURSES IN HOME ECONOMICS LEADING TO THE DEGREE OF B. S.

<i>Freshman Year</i>			
	Fall	Winter	Spring
English Composition, Eng. 211, 212..	5(5-0)	5(5-0)	.....
General Chemistry, Chem. 111, 112....	5(3-4)	5(3-4)	.....
Negro History, Hist. 213.....	.....	.....	5(5-0)
Principles of Art and Design, Art 211	.....	3(0-6)	.....
Textile Appreciation, Clothing 223....	.....	.....	3(2-2)
Food Buying and Preparation, Foods 221 .....	.....	.....	3(0-6)
Modern European History, Hist. 211	5(5-0)	.....	.....
Clothing 1, Clothing 211 .....	.....	3(0-6)	.....
Clothing 2, Clothing 212 .....	.....	.....	3(0-6)
Music 211, 212, 213	1(0-2)	1(0-2)	1(0-2)
Physical Education 211, 212, 213.....	1(0-2)	1(0-2)	1(0-2)
<i>Sophomore Year</i>			
	Fall	Winter	Spring
Survey of English Literature, Eng. 222, 223	5(5-0)	5(5-0)	.....

Organic Chemistry, Chem. 122, 123....	5(3-4)	5(3-4)	.....
General Psychology, Educ. 221.....	4(4-0)	.....	.....
Zoology, Biology 111	4(3-2)	.....	.....
Embryology and Physiology, Biol- ogy 121 .....	.....	4(3-2)	.....
Meal Preparation and Service, Foods 223 .....	.....	3(0-6)	.....
Household Physics, Physics 211.....	.....	.....	4(3-2)
Economics of the Household, H. Ec. 233 .....	.....	.....	3(3-0)
Bacteriology, Biol. 121 .....	.....	.....	5(3-4)
Costume Design, Art 212.....	.....	.....	3(0-6)
Music 211, 212, 213	1(0-2)	1(0-2)	1(0-2)
Physical Education 221, 222, 223.....	1(0-2)	1(0-2)	1(0-2)

Junior Year

	Fall	Winter	Spring
French 211, 212, 213	5(5-0)	5(5-0)	5(5-0)
Economics 231	5(5-0)	.....	.....
Education 237, 238, 231	3(3-0)	3(3-0)	5(5-0)
Home Economics Education 252.....	3(3-0)	.....	.....
House Planning and Interior Decora- tion, H. E. 223 .....	.....	3(0-6)	.....
Nutrition and Dietetics, Foods 241....	.....	.....	3(2-2)
Child Care and Home Nursing, H.E. 242 .....	.....	.....	4(3-2)
Household Management, H. E. 223....	.....	3(3-0)	.....
Clothing III, Clothing 232.....	.....	3(0-6)	.....

Senior Year

	Fall	Winter	Spring
Sociology 231	5(5-0)	.....	.....
Meal Planning, Foods 231.....	3(0-6)	.....	.....
Clothing IV, Clothing 243	3(0-6)	.....	.....
Methods of Teaching Home Econom- ics, Educ. 253 .....	.....	5(5-0)	.....
Federal Government, Political Science 231 .....	.....	5(5-0)	.....
Special Problems, Foods 242.....	.....	.....	3(0-6)
Supervised Practice Teaching.....	.....	.....	5(5-0)
Electives	5(5-0)	5(5-0)	5(5-0)

DEPARTMENT OF MECHANICAL ARTS

G. L. WASHINGTON, *Director*

ORGANIZATION

The school of Mechanic Arts of the North Carolina Agricultural and Technical College is organized to prepare students for, and to meet the demand of industry for leaders and skilled workmen in the various technical professions and trades. For the students not qualified to pursue college work in engineering, architecture and building, we offer the Smith-Hughes Trade School course, which is designed to prepare the student, in a short time, to enter the skilled trades.

The department offers four year courses as outlined below:

OUTLINE OF COURSES

Architecture and Building
Commercial Industries
Electric Engineering
Industrial Arts (teacher training)
Extensive offerings in the Departments of Art, Mathematics,
Physics

(*Mechanic Arts—Shop Courses.*)

Automobile Mechanics
Shoemaking and Leatherwork
Tailoring
Machine Tool Practice
Carpentry
Mechanical Drawing

EQUIPMENT

MECHANIC ARTS DIVISION

In the past few years the State of North Carolina has invested many thousands of dollars in equipment for the Mechanic Arts Divisions. Each division has among its equipment the latest design of modern machinery and tools for each particular line of work. The shops and industries so equipped

are the automobile mechanics, shoe and leather work, carpentry and building, machine tool, tailor, brick and concrete, forge, plumbing and house wiring, and laundry management.

DRAWING ROOM

Our Drawing Department is one of the best to be found anywhere in the State. It has been enlarged, redesigned and equipped with the latest design in equipment. It has a capacity for 60 students working at one time. College students must secure their own drafting instruments.

ART STUDIO

The Art studio is equipped with adjustable drawing stands, studio easels and model stands suitable for plaster paris reproductions of representative sculpture. All classes listed under the art curricula are taught in the art studio. As many as twenty students can work very satisfactorily together.

PHYSICS

The College Physics Laboratories were designed along with the building in which they are located, and every feature is modern. The department is equipped with photographic equipment and equipment for technical electrical measurements for advanced study in applied physics.

SURVEYING

The equipment for surveying consists of transit, level, and stadia along with the minor equipment necessary for field work in this branch of science. Also included are instruments for drawing room work in surveying.

ELECTRICAL ENGINEERING LABORATORY

The Electrical Laboratory contains a 6½ KVA, 3-, 6-, and 12-phase Westinghouse A.C. synchronous motor, a 5 H.P. Westinghouse D.C. motor, two ¼ H.P. single-phase induction motors, a 1 KVA A.C. motor, a 1¼ H.P. D.C. motor, a 5 KVA 3-, 6-, and 12-phase generator, a 6½ KVA D.C. generator, a 1 H.P. Hobart D.C. generator, a 3 H.P. single-phase motor, a 2 H.P. 3-phase induction motor, a 1 KVA A.C. generator, a 5 KVA motor-generator Westinghouse set for converting from AC. to D.C. or from D.C. to A.C., and a 1 KVA Hobart Battery Charging Unit. All of this apparatus is installed and equipped with meters, brakes, and loading devices for testing. In addition

the laboratory contains D.C. and A.C. Watt hour-meters, potentiometer and meter for measuring currents and voltages.

CEMENT AND SAND TESTING MATERIALS LABORATORY

The Cement and Sand Testing Materials Laboratory of the Mechanical Engineering Department is equipped to perform tests on sand and cement according to tests made standard by the American Society for Testing Materials. The sieves and machine for making sieve or mechanical analysis of sand and cement are of the latest Tyler design. Tensile and compression machines, moulds, etc., are Riehle design.

HEATING PLANT

The Heating Plant is under and a part of the School of Mechanic Arts; its equipment is used for instructional purposes. The plant contains four boilers, making a total of 600 rated horsepower, boiler feed pumps, vacuum pumps, feed water heater, etc., all of which is modern, being only recently installed.

REFRIGERATION

An Ottenheimer ammonia refrigerator system has been installed at the college, giving the students of mechanical engineering an opportunity to study operation of mechanical refrigeration as an augment to the work in thermodynamics.

ADMISSION TO THE TECHNICAL COLLEGE

The admission requirements are the same as those given for the entrance to freshman college class.

ADVANCED STANDING

Students who have attended colleges of approved standing will be given appropriate credit for work completed there, upon the presentation of the proper certificate to the Registrar, who will determine the credits for the curriculum which the student wishes to take.

REQUIREMENTS FOR GRADUATION

The requirements for graduation in architecture, engineering, of building construction are the satisfactory completion of all courses in one of the prescribed curricula (see tabulation of curricula on pages following).

The student must also own and possess certain books and instruments. This is not an additional expense, as the necessary equipment will be accumulated during his years in college.

SPECIAL STUDENTS

Special students are admitted by the Dean of this College who will see to the arrangement of their courses. Special students are understood to be applicants who desire to undertake special study without becoming candidates for degrees. They must evidence a sincere purpose to undertake and profit by the special study and must be of mature age. They must also give good reason for not entering regularly and for not undertaking one of the regular curricula.

ARCHITECTURE AND BUILDING

<i>Freshman Year</i>			
	Fall	Winter	Spring
Elements of Architecture—A. B. 311, 312, 313	3(0-6)	3(0-6)	3(0-6)
General Physics 311, 312	5(4-2)	5(4-2)	.....
Mathematics 311, 312, 313	5(5-0)	5(5-0)	5(5-0)
Descriptive Geometry—Math. 314....	3(1-4)	.....	.....
English 211, 212 .....	.....	5(5-0)	5(5-0)
Shades and Shadows—A. B. 314.....	.....	.....	2(0-6)
Orientation Ed. 211, 212, 213.....	1(1-2)	1(1-2)	1(1-2)
Military Science—M. S. 211, 212, 213	1(1-2)	1(1-2)	1(1-2)
Material of Construction—L. A. 324	.....	.....	2(0-6)

<i>Sophomore Year</i>			
Calculus—Math. 321, 322	5(5-0)	5(5-0)	.....
History of Architecture—Art. 324, 325, 326	5(5-0)	5(5-0)	5(5-0)
Surveying—Math. 324 .....	.....	.....	4(2-4)
Perspective Drawing—A. B. 324....	.....	.....	3(0-6)
Foundations—A. B. 326 .....	.....	.....	3(3-0)
Electric Wiring—A.B.327 (Elective)	.....	3(2-2)	.....
Architectural Design—A. B. 321, 322, 323	4(1-8)	4(1-8)	4(1-8)
Military Science—M. S. 221, 222, 223	1(0-2)	.....	.....
English 221, 222	5(5-0)	5(5-0)	.....

<i>Junior Year</i>			
Mechanics—Eng. 3311	5(5-0)	.....	.....

Strength of Materials—Eng. 3322....	.....	5(5-0)	.....
Structures—A. B. 331 .....	.....	.....	5(3-4)
Heating and Plumbing—A. B. 338....	2(2-2)	3(3-0)	.....
Analyzing, Constructing and Drawing of Architectural Details—A. B. 339, 3310, 3311	3(0-6)	2(0-4)	3(0-6)
Estimating—A. B. 332, 333 .....	.....	.....	5(3-0)
Principles of Accounting—B. A. 231, 232	5(5-0)	5(5-0)	.....
Architectural Design—A. B. 334, 335, 336	5(0-10)	5(0-10)	5(0-10)

Senior Year

Architectural Design—A. B. 3410, 3411, 3412	6(0-12)	6(0-12)	6(0-18)
Structures—A. B. 342	5(5-0)	.....	.....
Concrete Design—A. B. 345 .....	.....	.....	5(5-0)
Figure Drawing—Art 342, 431	3(0-6)	3(0-6)	.....
Building Superintendence—A. B. 347 .....	.....	5(5-0)	.....
Commercial Law—B. A. 234, 235, 236	3(3-0)	3(3-0)	3(3-0)
Testing Materials Laboratory—Eng. 349 .....	.....	.....	2(1-3)

CURRICULUM IN COMMERCIAL INDUSTRIES

Freshman Year

	Fall	Winter	Spring
Algebra, Trigonometry; Math. 311, 312	5(5-0)	5(5-0)	.....
English 211, 212	5(5-0)	5(5-0)	.....
Mechanical Drawing, Engineering 311 .....	.....	.....	4(0-8)
Industrial Laboratory, C. I. 311, 312, 313	3(0-6)	3(0-6)	8(2-12)
Principles of Business, B. A. 231, 236	5(5-0)	5(5-0)	5(5-0)
Orientation, Ed. 211, 212, 213.....	1(2-0)	1(2-0)	1(2-0)
Military Science, M. S. 211, 212, 213	1(0-2)	1(0-2)	1(0-2)

Sophomore Year

English 221, 222	5(5-0)	5(5-0)	.....
General Physics, Phy. 311, 312	5(4-2)	5(4-2)	.....
Materials of Construction, I. A. 324 .....	.....	.....	3(3-0)

Industrial Laboratory, C. I. 321, 322, 323	5(0-10)	5(0-10)	8(2-12)
Art 311, 312, 313	3(0-6)	3(0-6)	3(0-6)
Industrial Hygiene, C. I. 324 .....	.....	.....	3(3-0)
Military Science, M. S. 221, 222, 223	1(0-2)	1(0-2)	1(0-2)

Junior Year

Industrial Psychology, C. I. 335.....	.....	.....	3(3-0)
Vocational Drawing, I. A. 331, 332, 333	3(0-6)	3(0-6)	3(0-6)
Industrial Laboratory, C. I. 331, 332, 333	9(2-14)	6(0-12)	6(0-12)
Principles of Electricity, C. I. 334....	3(0-6)	.....	.....
Applied Mathematics, C. I. 335, 336, 337	3(3-0)	3(3-0)	3(3-0)
Vocational Education, Job Analysis, Ed. 331, 332 .....	.....	3(3-0)	3(3-0)
Economics, Econ. 231 .....	.....	5(5-0)	.....

Senior Year

Principles of Sociology, Soc. 231.....	4(4-0)	.....	.....
History of Industrial Education, I. A. 341, 342	3(3-0)	3(3-0)	.....
Industrial Laboratory, C. I. 341, 342, 343	6(0-12)	6(0-12)	8(1-14)
Principles of Foremanship, C. I. 346	.....	.....	3(3-0)
Industrial Relations, C. I. 347.....	.....	.....	3(3-0)
Estimating, C. I. 344a, 344b, 344c, or 344d .....	.....	5(5-0)	.....
Cooperative Industrial Extension, C. I. 348 .....	.....	4(0-8)	4(0-8)
Cost Accounting, B. A. 241	5(5-0)	.....	.....

TEACHER-TRAINING FOR TRADES AND INDUSTRIAL EDUCATION

TEACHERS OF INDUSTRIAL ARTS

The State of North Carolina finds it quite a problem to secure qualified teachers of Industrial Arts for its High Schools. A. and T. College offers courses for the training of Industrial Arts teachers. The prospective teacher, in addition to a thorough

N. B. A two-year course will be offered also.

preparation in subject matter in the various shops such as wood-working, machine shop practice, electrical work, automobile repairing, masonry, and mechanical drawing, is given courses in organization of the industrial arts, shop management, and methods of instruction.

TEACHERS FOR TRADES AND INDUSTRIES AND THE

RELATED SUBJECTS

The board of vocational education has designated A. and T. College as the Teacher-Training Institution for teachers of trades and industries and the related subjects. Its purpose is to meet the growing demand for such teachers in the State and to develop the vocational program. We are in great need of all day trade and part-time trade teachers and evening trade class teachers, and in a very short time it is possible that we shall need colored supervisors and directors of industrial education in our larger towns and cities. The School of Mechanic Arts is co-operating with the Department of Industrial Education in training men for these positions. Students with trade knowledge and experience and two years of technical college work are eligible for vocational teacher training for Trades and Related Subjects, and the Industrial Arts.

One of the greatest needs at present is qualified trades and technical teachers of evening classes. Students who have a high school training and trade knowledge and technical experience may enter a two-year teacher training course and receive a State vocational certificate to teach in evening schools and classes.

CURRICULUM FOR INDUSTRIAL ARTS

TEACHERS

	<i>Freshman Year</i>		
	Fall	Winter	Spring
Algebra, Trigonometry, Analytical			
Geometry, Math. 311, 312, 313..	5(5-0)	5(5-0)	5(5-0)
English 211, 212 .....	.....	5(5-0)	5(5-0)
Descriptive Geometry, M. E. 314.....	3(1-4)	.....	.....
General Physics, Phys. 311, 312, 313	5(4-2)	5(4-2)	5(4-2)
Mechanical Drawing, M. E. 311, 312	.....	4(0-8)	4(0-8)
Elementary Woodworking,			
I. A. 311, 312, 313.....	3(0-6)	3(0-6)	3(0-6)
Mil. Science, M. S. 211, 212, 213.....	1(0-2)	1(0-2)	1(0-2)

Sophomore Year

*Calculus, Math. 321, 322, 323.....	5(5-0)	5(5-0)	5(5-0)
English 236, 241	5(5-0)	5(5-0)	.....
Machine Drawing, M. E. 323, 324, 325	3(0-6)	3(0-6)	3(0-6)
Materials of Construction in Indus- trial Arts, I. A. 324 .....	.....	.....	3(3-0)
Advanced Woodworking, I. A. 325, 326, 327	3(0-6)	3(0-6)	3(0-6)
Educational Psychology, Edu. 231....	.....	.....	5(5-0)
Mil. Science, M. S. 221, 222, 223.....	1(0-2)	1(0-2)	1(0-2)

Junior Year

Test and Measurements, Edu. 236....	.....	.....	5(5-0)
Vocational Educ., Trade Analysis Education 331, 332 .....	.....	3(3-0)	3(3-0)
Vocational Drawing, I. A. 331, 332, 333	3(0-6)	3(0-6)	3(0-6)
Materials and Equipment of Indus- trial Arts Shops, Edu. 333.....	.....	.....	3(3-0)
Problems of Secondary Education, Education 237, 238	3(3-0)	3(3-0)	.....
Principles of Economics, Econ. 231....	5(5-0)	.....	.....
Upholstering, Wood Turning, Finish- ing, I. A. 338, 339, 340.....	3(0-6)	3(0-6)	3(0-6)
Elective	3.....	3.....	3.....

Senior Year

Methods of Teaching I. A. Educ. 343	.....	.....	3(3-0)
Methods of Teaching (Second Major) Math., Educ. 245 .....	.....	3(3-0)	.....
Organization of Part Time Classes, Observation and Practice Teach- ing, Education 344, 345.....	.....	3(3-0)	3(3-0)
Principles of Sociology, Soc. 231.....	4(4-0)	.....	.....
Educational Sociology, Educ. 239....	.....	.....	3(3-0)
Electricity, Machine Shop Practice, Automobile Mechanics, I. A. 348, 349, 350	2(0-4)	2(0-4)	2(0-4)
Free Hand Drawing, Water Color Art 311, 312, 313	3(0-6)	3(0-6)	3(0-6)

*Required only for those taking a minor in mathematics.

CURRICULUM OF FINE ARTS

(For students who wish to major in Fine Arts)

Freshman Year

	Fall	Winter	Spring
English 211, 212	5(5-0)	5(5-0)	.....
Modern European History 211.....	5(5-0)	.....	5(5-0)
Negro History 213 .....	.....	.....	1(1-0)
Education 211, 212, 213	1(1-0)	1(1-0)	3(0-6)
Freehand Drawing Art 311, 312, 313	3(0-6)	3(0-6)	2(0-4)
Mechanical Drawing M. E. 311, 312	.....	2(0-4)	2(0-4)
Sketch and Design Art 314, 315, 316	2(0-4)	2(0-4)	1(0-2)
Perspective Art 320 .....	.....	.....	1(0-2)
Mil. Science 211, 212, 213.....	1(0-2)	2(0-2)	.....
	17	15	15

Sophomore Year

English 222, 223	5(5-0)	5(5-0)	.....
General Psychology 221, 222.....	4(4-0)	4(4-0)	.....
History of Education 223 .....	.....	.....	5(5-0)
French 211, 212	5(5-0)	5(5-0)	.....
Art Appreciation 327, 328, 329.....	1(0-2)	1(0-2)	1(0-2)
Composition Art 317, 318, 319.....	1(0-2)	1(0-2)	1(0-2)
Commercial Art 1 Art 321, 322, 323..	2(0-4)	2(0-4)	3(0-6)
Costume Design Art 3201.....	.....	.....	1(0-2)
Still Life Art 3202 .....	.....	.....	1(0-2)
Lettering Art 3203 .....	.....	.....	1(0-2)
Sketch and Design II Art 326 .....	.....	.....	2(0-4)
	18	18	15

Junior Year

American History 222	5(5-0)	.....	.....
Business Correspondence 239 .....	.....	.....	5(5-0)
Education 237, 238, 231	3(3-0)	3(3-0)	5(5-0)
History of Architecture 324, 325, 326	5(5-0)	5(5-0)	5(5-0)
Commercial Art II 331, 332.....	2(0-4)	3(0-6)	.....
Composition II Art 337, 338, 339.....	1(0-2)	1(0-2)	1(0-2)
Portrait I Art 334, 335, 336.....	2(0-4)	2(0-4)	2(0-4)
Anatomy Art 333	1(0-2)
	18	15	18

Senior Year

Education 245, 251	5(5-0)	5(1-8)
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History 231	5(5-0)
American Arts 346, 347	2(2-0)
Public School Art 343, 344, 345.....	3(1-5)	3(1-5)	3(1-5)
Portrait II 347, 348, 349	2(0-4)	2(0-4)	2(0-4)
Life Art 341, 342 .....	.....	2(0-4)	2(0-4)
Oil Painting 3401, 3402, 3403.....	3(0-6)	3(0-6)	3(0-6)
	15	17	15

CURRICULUM IN ELECTRICAL ENGINEERING

Freshman Year

	Fall	Winter	Spring
Chemistry 111, 112, 113	5(3-4)	5(3-4)	5(3-4)
Mathematics 314	3(1-4)	.....	.....
Mathematics 311, 312, 313	5(5-0)	5(5-0)	5(5-0)
English 211, 212 .....	.....	5(5-0)	5(5-0)
Elective:			

Sophomore Year

	Fall	Winter	Spring
Metallurgy .....	.....	2(2-0)	.....
Mathematics 321, 322, 323.....	5(5-0)	5(5-0)	5(5-0)
Shop Work	2(0-4)	2(0-4)	2(0-4)
Economics 231	5(5-0)	.....	.....
Physics 311, 312, 313	5(4-2)	5(4-2)	5(4-2)
Educational Psychology 231 .....	.....	.....	5(5-0)

Junior Year

Applied Mech., M. E. 331, 332.....	5(5-0)	5(5-0)	.....
D. C. Machinery E. E. 331, 332.....	5(3-4)	5(3-4)	5(3-4)
A. C. Machinery E. E. 333.....	.....	.....	5(3-4)
Physics 321, 322, 323	5(2-6)	5(2-6)	5(2-6)
Education 237, 238	3(3-0)	3(3-0)	.....
Electives			

Senior Year

Elec. Design, E. E. 341, 342, 343.....	3(3-0)	3(3-0)	3(3-0)
M. E. 337	3(3-0)	.....	.....
M. E. 348	3(5-0)	.....	.....
Generating Stations, E. E. 345.....	3(3-0)	.....	.....
Telegraphy-Telephony, E. E. 346.....	.....	.....	.....
Mech. Telephone, E. E. 347, 348.....	.....	.....	.....
Exchanges	3(2-4)	3(2-4)	3(2-4)
Electric Railways, E. E. 363 .....	.....	.....	3(3-0)
Electric Transmission, E. E. 351.....	.....	.....	3(3-0)
M. E. 3411 .....	.....	5(5-0)	.....

Electives:			
Radio Circuits, E. E. 354.....	.....	.....	.....
Surveying, Math. 324 .....	.....	.....	.....
Motor Control, E. E. 330 .....	.....	.....	.....
Storage Batteries, E. E. 352 .....	.....	.....	.....
Math. 331 .....	.....	.....	.....
Education 246, 249, 251 .....	.....	.....	.....

NOTE:—Credits: Listed under terms, the figure to the extreme left indicates the term credits. The left-hand figure within parentheses indicates the number of recitations per week; the right-hand figure indicates hours of laboratory per week.

THE DEPARTMENT OF ARTS AND SCIENCES

WARMOUTH T. GIBBS, *Director*

The College of Arts and Sciences offers to the student opportunity to prepare either for teaching or for any one of several distinct vocational pursuits. The course is constructed so that the student, although specializing, may come in touch with subjects that possess wide cultural value and insure that broader outlook upon life which should characterize the educated man or woman. This College also offers professional courses in subjects required by the State Board of Education for the Standard "A" grade certificate. Students who complete all required professional subjects will qualify for the class "A" certificates offered by the State of North Carolina.

The Science Department includes five major departments: Business and Economics, Education, English, Foreign Language, History and Social Science.

REQUIREMENTS FOR ADMISSION

Admission requirements are the same as those given for entrance to freshman college classes (page 20).

REQUIREMENTS FOR GRADUATION

A minimum of 196 term credit hours and 196 grade points, including military science or physical education, and an acceptable thesis are required for graduation.

THESIS RULES

A candidate for the bachelor's degree in the College of Arts and Sciences must present a satisfactory thesis as part requirement. The subject of the thesis together with the approval of the adviser directing the work must be turned into the office of the Director of the Arts and Science Department not later than December 1. He must submit his complete manuscript to his adviser not later than May 15th if he is a candidate for a degree in June.

A candidate who expects to receive his degree at the end of the summer quarter must submit the complete manuscript of his thesis, ready for typewriting, to his adviser for approval

not later than four weeks prior to date of graduation. If the manuscript is then approved the candidate proceeds at once to have a typewritten copy made. The typewritten copy should then be presented to the adviser, for final approval, not later than one week prior to the date of graduation. If it is then approved it shall be deposited with the registrar not later than three days prior to the date of graduation.

ADVANCED STANDING

Students who transfer from accredited colleges will be given credit for work done upon presentation of records to the proper authorities who will evaluate them.

OPPORTUNITIES FOR WOMEN

All courses in the College are open to women on the same basis as men. There is a great demand for well trained women not only as teachers but in practically all fields of endeavor. Accordingly, women registering in the Teacher Training Division may, with approval of their adviser, select courses in any other division or department of the Institution.

The aim of this division is to give the women as well as the men who plan to teach every opportunity to take full advantage of all the facilities of the College in developing the best and most comprehensive training possible.

ADVISERS

Each student of the college is assigned an adviser when he presents himself for registration. The adviser is always a member of the faculty. All courses must be elected with the approval of the adviser assigned.

MAJORS AND MINORS

A student upon entering his third year is expected to concentrate in at least two definite fields of study. In arranging his work he must conform to the following regulations: (1) At least forty-five hours of the total number required for graduation must be chosen from a particular subject or field. This will constitute the student's major group. (2) At least 27 hours must be chosen from another subject or field. This will constitute his minor group. The major should represent the student's principal field of interest and the minor, that of his second selection. Persons preparing to teach must complete majors in two fields.

I. The following are suggested as fields for major study:

1. Business Administration and Economics
2. Chemistry
3. Commercial Education
4. English
5. History
6. Mathematics
7. Modern Languages
8. Science (including Zoology, Botany, Geography, and Physics).

II. For a minor the students may select any one of the above fields other than that of his major study.

III. The elective work may be taken in any of the departments indicated above or from any other department of the Institution subject to the approval of the Dean of the College of Arts and Sciences.

GENERAL MINIMUM DISTRIBUTION REQUIREMENTS

In addition to majors and minors each candidate for graduation will be required to meet the following distribution requirements both as to subjects and hours.

1. Foreign language, 10 hours for those who present two admission units of high school credit in the same language, others 18 hours.
2. Mathematics, including college Algebra and Trigonometry, 10 hours.
3. English, including Composition and Literature, 20 hours.
4. Science, 10 hours of chemistry or physics and 10 hours of biological sciences.
5. History of the Negro, of the U. S., of Modern Europe, 5 hours each, 15 hours.
6. Music or Art Appreciation, 6 hours.
7. Military Science or Physical Education, 6 hours.
8. Orientation, 3 hours.

REGULATIONS FOR NORTH CAROLINA
TEACHERS' CERTIFICATES

SPECIFIC REQUIREMENTS, HIGH SCHOOL TEACHERS'
CERTIFICATE

- 1. Education Psychology 3 semester hours
- 2. Principles of High School Teaching
or
Problems in Secondary Education..... 3 semester hours
- 3. Materials and Methods (Two fields)..... 6 semester hours
- 4. Observation and Directed Teaching..... 3 semester hours
(One or both fields)
- 5. Electives 6 semester hours

CURRICULA

During the first two years in the Department of Arts and Sciences, the student is expected to lay a broad foundation for later specialization. To secure this end the courses in the Freshman and Sophomore years have been so selected and grouped as to cover all of the major fields of knowledge. They are prescribed and required of all students in the College.

REQUIRED COURSES FOR FRESHMEN AND SOPHOMORES

- English 211, 212—Composition 10 hours
- English 221, 222 or 223—Literature..... 10 hours
- Foreign Language (one language) 15 hours
- Mathematics 311, 312 10 hours
- History 211 or 212, 213, 221 or 222..... 15 hours
- Science—Chemistry or Physics 10 hours
- Biological Science 10 hours
- Music 211, 212, 213, 221, 222, 223..... 6 hours
- Military Science 211, 212, 213, 221, 222, 223
(for men) 6 hours
- Physical Education 211, 212, 213, 221, 222, 223
(for women) 6 hours
- Orientation 3 hours

COURSE PRELIMINARY TO ADMISSION TO
MEDICAL COLLEGE

This Institution has been rated as class “A” by the American Medical Association as to qualifications for giving pre-medical

school training. Students completing the prescribed course are therefore admitted to the medical colleges of this country without examination.

All students planning to study medicine are urged, however, to complete the four-year course and receive their degree first.

The following represent the minimum requirements in general for admission to class "A" Medical Schools:

	<i>Quarter Hours</i>
Chemistry (inorganic)	15
Chemistry (organic)	9
Physics	15
Biology	12
English (composition and literature)	18
A modern foreign language (a reading knowledge)	12
Electives	10-18

Most medical colleges recommend at least one year of mathematics (in college).

SELECTION OF MAJORS

On reaching the Junior year in college each student will be required to make out a program of study covering both the Junior and Senior years indicating his major and minor, and also the courses intended to meet these requirements. This will be submitted to his adviser for approval. The following combinations are suggested for Majors:

MAJOR IN BIOLOGICAL SCIENCES

	<i>Junior Year</i>		
	Fall	Winter	Spring
General Bacteriology, Bact. 121.....	.....	5(3-4)	.....
Advanced Bacteriology, Bact. 131.....	.....	.....	5(3-4)
General Botany, Bot. 111	4(3-2)	.....	.....
General Zoology, Zool. 111 .....	.....	4(3-2)	.....
Economic Entomology, Zool. 131.....	.....	.....	3(2-2)
Genetics and Evolution, Zool. 134.....	.....	3(3-0)	.....
	<i>Senior Year</i>		
Principles of Geography, Hist. 243....	5(5-0)	.....	.....
Com. and Ind. Geography, Hist. 241, 242 .....	.....	4(4-0)	5(5-0)

Comparative Anatomy, Zool. 121.....	.....	.....	3(3-0)
Advanced Botany, Bot. 112 .....	.....	.....	3(2-2)
Plant Physiology, Bot. 121 .....	.....	3(2-2)	.....
Systematic Botany, Bot. 141 .....	.....	.....	3(2-2)
Geology, Geol. 131 .....	.....	5(4-2)	.....
Electives			

MAJOR IN CHEMISTRY

Junior Year

Quantitative Analysis, Chem. 131, 132	5(2-6)	5(2-6)	.....
Advanced Organic Chemistry, Chem. 124, 125	3(3-0)	3(3-0)	.....
Advanced Inorganic Chemistry, Chem. 151 .....	.....	5(2-3)	.....
Geology, Geol. 131 .....	.....	.....	5(4-2)
Electives			

Senior Year

Advanced Quantitative Analysis, Chem. 141 .....	.....	5(2-6)	.....
Qualitative Organic Analysis, Chem. 133 .....	.....	.....	3(1-4)
Quantitative Organic Analysis, Chem. 134	2(0-4)	.....	.....
Physical Chemistry, Chem. 143.....	6(3-6)	.....	.....
Industrial, Chem. 145 .....	.....	.....	3(3-0)
Electives			

MAJOR IN BUSINESS ADMINISTRATION

Junior Year

	Fall	Winter	Spring
Principles of Business, B. A. 231.....	5(5-0)	.....	.....
Accounting, B. A. 232, 233 .....	.....	5(5-0)	5(5-0)
Commercial Law, B. A. 234, 235, 236	3(3-0)	3(3-0)	3(3-0)
Principles of Salesmanship, B. A. 237	5(5-0)	.....	.....
Principles of Advertising, B. A. 238..	.....	5(5-0)	.....
Business Correspondence, B. A. 239..	.....	.....	5(5-0)
Principles of Economics, Econ. 231....	5(5-0)	.....	.....
Economic Problems, Econ. 232.....	.....	5(5-0)	.....
Money and Credit, Econ. 242 .....	.....	.....	5(5-0)

Senior Year

Cost Accounting, B. A. 241.....	5(5-0)	.....	.....
Accounting Systems, B. A. 242.....	.....	5(5-0)	.....
Principles of Marketing, B. A. 244....	5(5-0)	.....	.....
Business Finance, B. A. 247	5(5-0)	.....	.....
Corporation Finance, B. A. 248.....	.....	5(5-0)	.....
Investment, B. A. 249 .....	.....	.....	5(5-0)
Business Management, B. A. 251.....	5(5-0)	.....	.....
Office Management, B. A. 252.....	.....	5(5-0)	.....
Personnel Administration, B. A. 253..	.....	.....	5(5-0)
Insurance, B. A. 256 .....	.....	.....	5(5-0)

MAJOR IN ENGLISH

Junior Year

	Fall	Winter	Spring
Journalism, Eng. 231	5(5-0)	.....	.....
Public Speaking, Eng. 232.....	3(3-0)	.....	.....
or			
Argumentation and Debating, Eng.			
236	5(5-0)	.....	.....
or			
Dramatics, Eng. 233	5(5-0)	.....	.....
Chaucer, Eng. 235 .....	.....	5(5-0)	.....
Shakespeare, Eng. 334 .....	.....	.....	5(5-0)
or			
American Literature, Eng. 221.....	.....	.....	5(5-0)
Philosophy, Phil. 231, 232, 223.....	3(3-0)	3(3-0)	3(3-0)
Electives			

Senior Year

Advanced Composition and Litera-			
ture, Eng. 244	5(5-0)	.....	.....
or			
Eighteenth Century Literature,			
Eng. 241	5(5-0)	.....	.....
The Romantic Era, Eng. 242.....	.....	5(5-0)	.....
The Victorian Era, Eng. 243.....	.....	.....	5(5-0)
Anc. and Med., Hist. 231, 232.....	5(5-0)	5(5-0)	.....
Electives			

*May be elected.

CERTIFICATE IN SECRETARIAL SCIENCE

Freshman Year

	Fall	Winter	Spring
Principles of Business, B. A. 231.....	5(5-0)	.....	.....
*Accounting, B. A. 232, 233 .....	.....	5(5-0)	5(5-0)
Business Correspondence, B. A. 239....	.....	.....	5(5-0)
Eng. Composition, Eng. 211, 212.....	5(5-0)	5(5-0)	.....
Prin. of Bookkeeping, Sec. Sc. 211....	.....	5(5-0)	.....
Secretarial Studies, Sec. Sc. 212.....	.....	.....	6(2-8)
Shorthand, Sec. Sc. 214, 215, 216.....	5(5-0)	5(5-0)	5(5-0)
Typewriting, Sec. Sc. 217, 218, 219	2.5(0-5)	2.5(0-5)	2.5(0-5)

Sophomore Year

Principles of Salesmanship, B. A. 237	5(5-0)	.....	.....
Office Management, B. A. 252.....	.....	5(5-0)	.....
Commercial Law, B. A. 234, 235, 236	3(3-0)	3(3-0)	3(3-0)
†Office Training, Sec. Sc. 221.....	.....	.....	9(2-15)
Advanced Stenography, Sec. Sc. 222	.....	.....	5(5-0)
Electives			

SPECIAL SECRETARIAL SCIENCE

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
B. A. 231	Sec. Sc. 211	B. A. 239-5
Sec. Sc. 214	Sec. Sc. 221-9	Sec. Sc. 216
Sec. Sc. 217	Sec. Sc. 215	Sec. Sc. 216-5
	Sec. Sc. 218	Sec. Sc. 219-2
		Sec. Sc. 222

MAJOR IN FOREIGN LANGUAGES

Junior Year

	Fall	Winter	Spring
French 214, 215, 216.....	5(5-0)	5(5-0)	5(5-0)
or			
French 221, 222, 223.....	5(5-0)	5(5-0)	5(5-0)
German 211, 212, 213.....	5(5-0)	5(5-0)	5(5-0)
Electives			

Senior Year

French 231, 232, 233.....	5(5-0)	5(5-0)	5(5-0)
French 245	3(0-6)	3(0-6)	3(0-6)
German 221	5(5-0)	.....	.....
German 222 .....	.....	5(5-0)	.....

†May be taken during any quarter.

German 223

Electives

5(5-0)

MAJOR IN MATHEMATICS

Junior Year

	Fall	Winter	Spring
Calculus, Math. 321, 322, 323.....	5(5-0)	5(5-0)	5(5-0)
Principles of Economics, Econ. 231, Math 324.	5(5-0)	5(5-0)	5(5-0)
Physics 311, 312, 313.....	5(5-0)	5(5-0)	5(5-0)
Electives			

Senior Year

Dif. Equas., High Algebra, Math. 331, 332, 333		5(5-0)	5(5-0)
Theo. Mech.	5(5-0)		
Physics 314		3(3-0)	
*Teaching of Mathematics, Edu. 246			5(5-0)
*Observation and Practice Teaching, Edu. 251			5(5-0)
Electives			

*Required of those planning to teach.

DESCRIPTION OF COURSES

DEPARTMENT OF AGRICULTURAL SCIENCES

COURSES IN AGRONOMY

111. **SOIL MANAGEMENT.** A course dealing with the methods of soil utilization, including the methods of fertilizing the soil, the mixing and applying commercial plant-food, the use of green manure, stable manure, lime, and the influence of crop rotation and fertilizer on the soils as shown by field experiments.

Fall Quarter—Credit, 3(2-2).

112. **NATURE AND PROPERTIES OF SOILS.** A course dealing with the origin, formation and classification of soils and their chemical relationships. The chemical, physical and biological properties, with reference to composition and plant relations of soils. The practical use of lime, fertilizers and other means of maintaining soil fertility.

Prerequisites: 111 and 112.

Winter Quarter—Credit, 3(2-2).

121. **FIELD AND FORAGE CROPS.** The course includes lectures and recitations on the history, production, adaptation, use, harvesting, and curing. The identification of forage plants and their seeds, pasture and forage crop regions and the plotting of maps of sections adapted to each of the leading forage crops, with special emphasis on those of North Carolina. The crops are considered from the standpoint of pasture crops, hay crops and soil improving crops.

Spring Quarter—Credit, 3(2-2).

131. **TOBACCO.** Lectures and recitations on the history, production, adaptation, type, varieties, cultivation, harvesting, grading, marketing, diseases and control measures, based on North Carolina conditions.

Prerequisites: 111, 112 and 121.

Fall Quarter—Credit, 4(2-4).

132. **COTTON.** The course includes lectures and recitations on the history, origin, production, adaptation, varieties, culti-

NOTE:—Credits: Listed under terms, the figure to the extreme left indicates the term credits. The left-hand figure within parentheses indicates the number of recitations per week; the right-hand figure indicates hours of laboratory per week.

vation, harvesting and grading with some reference to marketing, diseases and control measures, rotation and the up-keep of soil fertility under long time cropping systems.

Prerequisites: 111, 112 and 121.

Fall Quarter—Credit, 4(2-4).

141. SEED IDENTIFICATION. The course consists of lectures, discussions, and practice in the identification of field and forage crop seeds, with some attention to storage methods and the relative length of viable period.

Prerequisites: 112 and Botany 111.

Winter Quarter—Credit, 3(1-4).

142. SEMINAR. The Seminar meets weekly, and is required of all Seniors. It consists of reports and abstracts from various scientific journals on topics related to crop and soil relations.

Prerequisites: 111, 112 and 121.

Quarter to be arranged at time of registration.

COURSES IN ANIMAL HUSBANDRY

111. SWINE, HORSE AND MULE PRODUCTION. A detailed study of the most practical methods used in the production and management of farm work stock under southern conditions. A study of types, breeds, characteristics and adaptability of swine breeding, housing and marketing will be emphasized.

Fall Quarter—Credit, 3(2-2).

121. DISEASES OF FARM ANIMALS. A course dealing with a general consideration of the causes, prevention and treatment of diseases of farm animals, the manner of spread, disinfectants and their application; general hygiene and stable sanitation, including drainage and selection of site.

Fall Quarter—Credit, 3(2-2).

122. SELECTING AND JUDGING. This course is designed to acquaint students with the types and breed characteristics of farm animals by use of the score card, comparative judging and selection of breeding stock.

Prerequisites: Animal Husbandry 111 and 121.

Winter Quarter—Credit, 3(2-2).

123. ANIMAL NUTRITION. A study of the general principles of nutrition as applied to livestock, composition of feed stuffs, comparisons and use of feeding standards, calculating

rations, methods of feeding for economic production.

Prerequisites: Chemistry 111a, 112a, 122.

Spring Quarter—Credits, 3(2-2).

124. PORK PRODUCTION.

Prerequisite: Biol. 121.

Winter Quarter—Credit, 3 hours.

131. BREED HISTORY. History of breeds; pedigrees and registration methods.

Prerequisite: Animal Husbandry 122.

Winter Quarter—Credit, 3(3-0).

132. ADVANCED STUDY OF DAIRY BREEDS. Judging, selection of breeding animals, pedigree studies, important strains and families.

Prerequisite: Biol. 121.

Spring Quarter—Credit, 3 hours.

141. SPECIAL PROBLEMS IN ANIMAL HUSBANDRY.

(Hours and credits to be arranged.)

142. SEMINAR. (For Seniors only.)

Prerequisites: Animal Husbandry 111, 131.

Any quarter—Credit, 1 hour.

143. MILK SECRETION. Principles of nutrition in their relation to milk secretion.

Fall Quarter—Credit, 2 hours.

144. ANIMAL BREEDING. Application of principles of genetics to improvement of farm animals; methods and problems of the breeder.

Prerequisites: A. H. 111, 121; Zool. 123, 134.

Winter Quarter—Credit, 3 hours.

145. DAIRY HERD MANAGEMENT. A course in feeding and management of the dairy herd. It includes a study of pedigrees, handling test cows, advanced registration, fitting cows for show and sale.

Prerequisites: Animal Husbandry 111, 121.

Spring Quarter—Credit, 4(2-4).

COURSES IN DAIRY INDUSTRY

111. PRINCIPLES OF DAIRYING. The course takes up secretion, composition, testing and separation of milk; the farm manufacture of cheese, butter and ice cream.

Spring Quarter—Credit, 5(3-4).

121. **ADVANCED MILK TESTING.** This course gives the student a knowledge of various acid tests, moisture and salt tests; the use of the lactometer; rennet tests, detection of preservatives and impurities; practical problems in dairy mathematics.

Prerequisite: Principles of Dairying 111.

Fall Quarter—Credit 5(3-4).

131. **BUTTER MANUFACTURE.** This course comprises a study of farm separators, separating milk for butter making, starter making, pasteurization, cream ripening; manufacturing, judging and scoring butter.

Prerequisite: Dairying 121.

Fall Quarter—Credit, 5(3-4). (One Lab. period.)

132. **ICE CREAM MAKING.** A study of the manufacture of ice cream, sherbets and ices on a private or commercial scale; marketing, scoring and judging.

Prerequisite: Dairying 121.

Spring Quarter—Credit, 5(3-4). (One Lab. period.)

144. **MANAGEMENT OF DAIRY PLANT.** This course gives the student a general knowledge of refrigeration, mechanical refrigeration, problems in the cost of power to operate machinery, manufacturing butter; salesmanship, and labor problems in the factory.

Prerequisites: Dairying 121, 131, 132.

Winter Quarter—Credit, 5(3-4).

145. **COMMERCIAL DAIRYING.** The organization, construction and management of local dairy plants; sanitary production, inspection systems and marketing of milk.

Prerequisite: Dairying 121.

Spring Quarter—Credit, 4(2-4).

COURSES IN HORTICULTURE

111. **VEGETABLE GROWING.** A study of the general principles involved in vegetable production. The student will be given an opportunity to carry out some of the principles taught through practical work in assigned plots of which they will have full charge. They will be expected to plan, plant and cultivate their plot.

Spring Quarter—Credit, 4(2-4).

121. **HOME GROWN FRUITS.** The course was designed for the purpose of interesting the student in the production of fruit

for home consumption. Consideration is given to the general principles of fruit growing, as locations, sites, soils, fruits and varieties, pruning and spraying, and the practices involved in orchard management, with some consideration to small fruits.

Winter Quarter—Credit, 3(2-2).

122. FARM BEAUTIFICATION. A general study of the principles of the art of beautifying the farm grounds. Designing and planning lawns; the planting, care and the maintenance of plants for the farm grounds.

Spring Quarter—Credit, 3(1-4).

131. FLORICULTURE PRACTICE. Practical work in the greenhouse and flower garden. The student will plant and grow seed under greenhouse conditions with the consideration of diseases and insects.

Any Quarter—Credit, 3(1-4).

COURSES IN POULTRY

111. GENERAL POULTRY PROBLEMS. A course reviewing the general field of poultry, touching especially the phases of care, management and pathology, giving at the same time all essentials a beginner should know.

Prerequisites: None.

Fall Quarter—Credit, 2(2-2).

131. INCUBATION. This course deals with the practical phases of incubation and requires the successful operation of an incubator. Students should provide themselves with funds for purchasing from 6 to 12 dozen of good setting eggs, price ranging from 60 cents to \$1.00 per dozen, and meet unnecessary loss to college property.

Prerequisite: Poultry 111.

Winter Quarter—Credit, 3(1-4).

132. BROODING. The successful brooding of baby chicks is required in this course together with practicums in sanitation and feeding. The student must be able to bear his own expenses on his project and be responsible for any unnecessary loss to college property.

Prerequisites: Poultry 111, 131.

Spring Quarter—2(1-3).

COURSES IN RURAL ENGINEERING

121. **FARM MACHINERY.** This course includes a study of farm machinery, repair and upkeep, with special emphasis being placed on winter care. Demonstrations and tests are made with various implements with students performing the operations.

Fall Quarter—Credit, 3(2-2).

122. **FARM SHOP PRACTICE.** A practical farm shop course covering carpentry, forging, leather work and metal soldering. All practices will be based on what the farmer should do on the farm. This course is especially designed for students intending to teach vocational agriculture.

Winter Quarter—Credit, 3(0-6).

130. **FARM BUILDINGS.** Construction, cost, management and ventilation of farm buildings, laboratory exercises in designing and estimating costs.

Prerequisite: A course in Mechanical Drawing.

Spring Quarter—Credit, 3(2-2).

DEPARTMENT OF ARCHITECTURE AND BUILDING**COURSES IN ARCHITECTURE AND BUILDING**

A. B. 311, 312, 313. **ELEMENTS OF ARCHITECTURE.** Drafting with lectures co-ordinated. Studies of the architectural elements, classic orders, etc. Instruction in lettering, use and care of instruments, drafting room practice, etc.

Fall Credit, 3(0-6).

A. B. 314. **SHADES AND SHADOWS.** The study of the conventionalized architectural shades and shadows. Pen and ink, and brush work.

Prerequisite: M. E. 314.

Spring Credit, 3(0-6).

A. B. 321, 322, 323. **DESIGN.** Problems in architectural design and composition; rendering.

Prerequisites: 313 and 315.

Fall Credit, 5(1-8).

- A. B. 324. PERSPECTIVE. Drafting. Principles of architectural perspective in parallel, angular, and aerial.
Prerequisite: M. E. 314.
Spring Credit, 3(0-6).
- A. B. 326. FOUNDATIONS. Preparation of building site. Methods of excavating. Estimating excavations. Methods of mixing and placing concrete; proportion of ingredients; concrete floors and walks. Making unit cost and quantity estimates from architects' plans and specifications.
Fall Quarter—Credit, 3(3-0).
- A. B. 327. ELECTRIC WIRING. Recitation and laboratory. Theory and practice on the installation of electrical service. Electrical wiring, knob and tube conduit work. Estimating.
Winter Quarter—Credit, 4(2-4).
- A. B. 334, 335, 336. DESIGN. Laboratory work. A series of problems in Architectural composition and structural detail.
Prerequisites: 333, 339.
Fall Credit, 6(0-12).
- A. B. 3410, 3411, 3412. DESIGN. Laboratory work with individual criticism. Problems in architectural design and composition. Treatments of exteriors and interiors.
Prerequisite: 323.
Fall Credit, 5(0-10).
- A. B. 332, 333. ESTIMATING. Practical problems in taking off quantities and estimating.
Winter and Spring Quarters—Credit—2(1-2) and 3(2-2).
- A. B. 331. JUNIOR STRUCTURES. Recitation and laboratory. Calculation of roof loads, floor loads, loading on bridges, etc. Design of wood and steel beams and columns.
Prerequisite: M. E. 332.
Spring Credit, 5(3-4).
- A. B. 342. SENIOR STRUCTURES. Lecture recitation. Analytical and graphical computation and analysis of all types of roof trusses, columns, beams and girders.
Prerequisite: 334.
Fall Credit, 5(5-0).
- A. B. 338. PLUMBING AND HEATING. Recitation and laboratory. Lectures and recitations on the installation of plumbing and heating systems. City requirements. Methods of estimating.
Fall Quarter—Credit, 5(3-4).

- A. B. 339, 3310, 3311. WORKING DRAWINGS. Analyzing and drawing of architectural and structural engineering details. Spring Credit, 3(0-6).
- A. B. 345. CONCRETE DESIGN. Lecture and recitation. Theory and design of reinforced concrete as applied to columns, beams and slabs for commercial buildings.
Prerequisites: 339, M. E. 338.
Winter Credit, 4(2-4).
- A. B. 347. BUILDING SUPERINTENDENCE. Technical knowledge, methods, personality, handling men, management, routing work, job records.
Fall Quarter—Credit, 3(3-0).
331. APPLIED MECHANICS. Graphical and analytical resolution and composition of forces. Laws of equilibrium and force systems; stress in various types of frames; distributed forces; center of gravity; moments of inertia and radii of gyration of plane areas and solids. Kinetics of solid bodies in plane motion.
Fall Quarter—Credit, 5(5-0).
332. STRENGTH OF MATERIALS. Physical properties of materials; fundamentals of components of stress and strain in bodies under uniform or varying stresses; the theory of bending; shearing; bending moments; equation of elastic curve; deflections in beams; stress due to combined axial loading and bending.
Prerequisite: 331.
Winter Quarter—Credit, 5(5-0).
349. TESTING MATERIALS LABORATORY. Tests on sands and cements according to A.S.T.M. standards. Strength of various mixes of concrete.
Prerequisite: Strength of Materials.
Winter Quarter—Credit, 2(1-3).
345. CONCRETE DESIGN. Lecture and recitation. Theory and design of reinforced concrete as applied to columns, beams and slabs for commercial buildings.
Prerequisites: 339, M. E. 338.
Winter Credit, 4(2-4).
346. ARCHITECTURAL PRACTICE. A study of architectural office and drafting room practice. Seminar.
Prerequisite: Eco. 238.
Spring Credit, 2(2-0).

ART

GENERAL STATEMENT

Beginning with the fall term, 1930, students will have the opportunity of taking major courses in Art.

The purpose of the course as outlined is as follows:

- a. To discover and develop the latent talents of our students for artistic expression.
- b. To meet a growing demand for special trained art teachers in our public schools and colleges.
- c. To promote a fuller understanding of the importance of Art in our daily life and lay a foundation for careers as creative artists.

All students wishing to major in Art must pass a special examination or submit some of their art work for appraisal. Students in other departments desiring to take special work in Art may, by arrangement with instructor, take any of the courses listed under Art.

Art 311, 312. **FREEHAND.** Elementary considerations. Study of line, mass and proportion. Principles of construction lines as applied in the drawing of simple objects, still life groups and the antique. Simple outline, accenting, and shading, light and shade. Pencil and charcoal rendering—special needs of students of various departments.

Fall and Winter Quarters—Credit, 3(0-6).

Art 313. **COLOR.** This course aims to give a working knowledge of color both from the standpoint of its use and enjoyment; psychological significance; harmonies and contrasts; still life and landscape representation; decorative and realistic treatments. Medium water color.

Spring Quarter—Credit, 3(0-6).

Art 314, 315, 316. **SKETCH AND DESIGN.** Sketching in pencil and charcoal to acquire facility in analyzing quickly the salient characteristics of subjects—alternating with design; study of the basic principles of decorative and applied design. Medium pen and ink and water color.

Fall, Winter and Spring Quarters—Credit 2(0-4).

Art 317, 318, 319. **COMPOSITION.** Study of the principles involved in pictorial composition with definite application to

commercial art; harmony building in dark and light; spotting accessories; figure composition; interiors and original picture making. A wide range of subjects are given to stimulate the imagination. Medium charcoal.

Fall, Winter, and Spring Quarters—Credit, 1(0-2).

Art 320. PERSPECTIVE. Series of problems presenting principles of freehand perspective as applied in freehand drawing of objects; interiors and exteriors; linear, parallel, angular, and aerial perspective.

Art 321, 322, 323. COMMERCIAL ART I. Study of the utilization of art and art principles in industry. Art in advertising is studied through various types of advertising design. Pen and ink technique; exercises in the making of border designs; book plates, calendars, postcards; photograph enlarging. Study of artistic layouts. Considerable work in pen and ink illustration. Medium pen and ink, water color and wash.

Fall, Winter, and Spring Quarters—Credit, 3(0-6).

Art 326. SKETCH AND DESIGN II. Continuation of Art. 316. Sketching from the draped model with special study of the handling of drapery; designs for textiles, panels, bookplates, etc. Special effort is made to recognize and develop the personal element that gives originality to the simplest designs. Much attention to color.

Spring Quarter—Credit, 2(0-4).

324, 325, 326. HISTORY OF ARCHITECTURE. Ancient, mediaeval, renaissance and modern architectural history covering three consecutive quarters.

Credits each Quarter, 5(5-0).

Fall, Winter, Spring Quarters—Credit, 5(5-0).

Art 327, 328, 329. ART APPRECIATION. Study of the broad interpretation of art and artistic principles. Elements of beauty; sculpture of Egypt; the golden era of sculpture in Greece; renaissance sculpture in Italy; history of painting from the Italian primitives through the English school analysis and comparisons of the works of representative sculptors and painters.

Fall, Winter, Spring Quarters—Credit, 1(0-2).

Art 3201. COSTUME DESIGN. Study of period costumes from the standpoint of the designer; analysis of the basic principles underlying the designing of costumes; line mass and color.

Spring Quarters—Credit, 1(0-2).

Art 3202. STILL LIFE. Study of painting of still life groups in water color and oil, with special emphasis on technique and composition in light and dark.

Spring Quarter—Credit, 1(0-2).

Art 3203. LETTERING. Study of alphabets and their use in commercial layouts. Considerable drill on the formation of good letters with both pen and brush.

Spring Quarter—Credit, 1(0-2).

Art 331, 332. ADVANCED FREEHAND DRAWING, COMMERCIAL ART II. Intensive study of various medium used in freehand drawing with emphasis on technique; advanced problems in color harmonies and contrasts as applied in the rendering of interiors and exteriors. Best illustrations and commercial designs are studied and reproduced; study of reproductive processes. Considerable work in figure drawing. Medium water color, wash; pen and ink and show card color.

Prerequisite: Art 321, 322, 323.

Fall, Winter, Spring Quarters—Credit, 3(0-6).

Art 334, 335, 336. PORTRAIT. Drawing in charcoal and other mediums of the head from life; the bust and full length figures are studied and drawn with special emphasis placed on anatomical considerations, composition, technique, and expression.

Fall, Winter, and Spring Quarters—Credit, 2(0-4).

Art 337, 338, 339. COMPOSITION II. Continuation of Art 319. Illustrating of assigned subjects to conform to compositional requirements. Subjects are taken from classic literature to develop the imagination, advanced considerations in creating good pictorial designs.

Fall, Winter, Spring Quarters, 1(0-2).

Art 333. ANATOMY. Lectures supplemented by individual instruction are given on the structure of the human body with the aim of insuring a deeper study of the artistic anatomy and a correct rendering of the figure in repose and in action.

Winter Quarter—Credit 1(0-2).

Art 341, 342. LIFE DRAWING. Drawing of the full length figure from the live models—study of the figure with emphasis on modeling in light and dark.

Winter and Spring Quarters—Credit, 2(0-6).

Art 343, 344, 345. PUBLIC SCHOOL ART. Such topics as object drawing, simple landscapes, poster design, color, animal, and figure work, and illustration adaptable to the grades are studied through special projects. Special attention is given to methods of presentation and correlation. Blackboard drawing with colored chalk.

Fall, Winter, and Spring Quarters—Credit, 3(0-6).

Art 347, 348, 349. PORTRAIT II. Continuation of Art 336. Drawing from the model with emphasis placed on composition and technique.

Fall, Winter, Spring Quarters—Credit, 2(0-4-).

Art 3401, 3402, 3403. OIL PAINTING. Advance work in oil painting; portraits, landscapes, and figure compositions, with emphasis placed on composition and technique.

Fall, Winter, and Spring Quarters—Credit, 3(0-6).

NOTE: Students in all departments may take as electives Art 311, 312, 313. Advance courses are open only to students majoring in art and other students who complete a year's work in art creditably.

INDUSTIAL ARTS

311, 312, 313. ELEMENTARY WOODWORKING. Care and use of tools; principles of planing, squaring and laying out work.

Fall, Winter, Spring Quarters—Credit, 3(0-6) each.

324. MATERIALS OF CONSTRUCTION IN INDUSTRIAL ARTS. This course takes up a detailed study of the characteristics of wood and other materials used in industrial arts shops.

Spring Quarter—Credit, 3(3-0).

325, 326, 327. ADVANCED WOODWORKING. Care and use of power machinery; joinery and cabinet making.

Fall, Winter, Spring Quarters—Credit, 3(0-6) each.

331, 332, 333. VOCATIONAL DRAWING. Correlation between mechanical drawing and shop projects. Selection and detailed laying out of projects.

Fall, Winter, Spring Quarters—Credit, 3(0-6) each.

338, 339, 340. UPHOLSTERING, WOOD TURNING, FINISHING. Application of the principles of upholstering, wood turning and wood finishing through simple projects.

Fall, Winter, Spring Quarters—Credit, 3(0-6) each.

DEPARTMENT OF BIOLOGICAL SCIENCES**COURSES IN BACTERIOLOGY**

121. **GENERAL BACTERIOLOGY.** This is a course in the preparation of the usual culture media and the study of the morphological and biological characteristics of typical bacteria. A study of the relation of bacteria to health of man, animals and plants.

Prerequisite: General Biology or equivalent.

Winter Quarter—Credit, 5(3-4).

131. **ADVANCED BACTERIOLOGY.** A continuation of course 121.

Prerequisite: General Bacteriology 121.

Spring Quarter—Credit, 5(3-4).

132. **DAIRY BACTERIOLOGY.** This course treats of bacteria in milk and its products, also the changes, mode of entry and sources of bacteria.

Prerequisite: General Bacteriology 121.

Fall Quarter—Credit, 5(3-4).

133. **SOIL BACTERIOLOGY.** A course dealing with the important biological processes, the relation of soil biological activity to the mineral, sulphur, and nitrogen cycles and also decomposition of organic products, nutrient agars, etc.

Prerequisites: Chemistry 111 and Bacteriology 121.

Spring Quarter—Credit, 3(2-2).

141. **PATHOGENIC BACTERIOLOGY.** This course purposes to give to the student a practical familiarity with most of the pathogenic micro-organisms. Special attention will be paid to the morphology, cultural characteristics and pathogenicity.

Prerequisite: Bacteriology 121.

Winter Quarter—Credit, 4(2-4).

COURSES IN ZOOLOGY

111. **GENERAL ZOOLOGY.** This course will deal with the morphology, physiology, and taxonomy of the essential types of organic life in the animal kingdom. The characteristic differences in the development from protozoa through metozoa will be emphasized. Discussion of the various theories advanced in an attempt to explain evolution. Laboratory work will supplement the lectures, and class discussions.

Fall Quarter—Credit, 4(3-2).

121. **COMPARATIVE ANATOMY AND PHYSIOLOGY.** The lectures on descriptive anatomy will cover the fundamental points from the preparatory point of view and will be illustrated by drawings, plates, models, the skeleton and dissection. A special consideration will be given to the various phases of anatomy, with stress placed upon osteology, myology, neurology and splanchnology. One-half of the quarter will be devoted to the study of Anatomy. The course in Physiology comprises demonstrations, lectures, recitation and experimental work. A study of the functions, organs and systems of organs will be duly emphasized. The arrangement of courses is as follows: Physiology of Muscle and Nerve; Physiology of the Blood; Physiology of Digestion, Secretion and Nutrition; Physiology of the Integumentary System.
Winter Quarter—Credit, 3(2-2).
122. **COMMUNITY HYGIENE.** This course will deal with the various sanitary measures employed today in reducing to a minimum the activities of pathogenic micro-organisms. An effort will be made to develop wholesome habits and attitudes, as well as to impart knowledge of how to prevent infection.
Winter Quarter—Credit, 3(3-0).
123. **EMBRYOLOGY.** Development, principles and processes, using vertebrate embryos. Germ cell origin and structure, maturation, fertilization, cleavage, differentiation, tissue formation organogeny.
Prerequisite: Zool. 111.
Spring Quarter—Credit, 3(2-2).
131. **ECONOMIC ENTOMOLOGY, DISEASE AND PESTS.** The identification, life history, habits and methods of controlling insects of economic importance to the farm and home. Laboratory work will also include identification, collecting, mounting and preserving insects studied. The important plant diseases which affect the crop plants of the south. A study of the symptoms exhibited by the host plant, the casual organism, and the control measures.
Prerequisites: Zoology 112, Botany 111, Chemistry 111a, 112a, Agron. 111, 112 (Agron. 131 and 132 recommended).
Spring Quarter—Credit, 3(2-2).
132. **HISTOLOGY.** This course will consist of lectures upon normal cell tissues and organs of the body of animals. The

laboratory work will consist of demonstrations by the instructor, practical laboratory technique and the microscopic study of normal cells and tissues.

Winter Quarter—Credit, 4(3-2).

133. APICULTURE. A study of the essentials of bee-keeping, introducing the students to conditions applicable to North Carolina.

Spring Quarter—Credit, 3(2-2).

134. GENETICS AND EVOLUTION. An introduction to the study of variation, selection and inheritance in animals. Human heredity will be considered.

Fall Quarter—Credit, 3(3-0).

COURSES IN BOTANY

111. GENERAL BOTANY. The course is designed for two types of students (Agricultural and General Science). It is intended to give the fundamental facts, functions and principles of plant life. The laboratory includes a study of forms, structures, and methods of reproduction of representatives of the various groups of plants, with some attention to general life processes in higher plants and its relation to scientific agriculture.

Fall Quarter—Credit, 4(3-2).

112. ADVANCED BOTANY. (Formerly Bot. 121.) A continuation of course 111.

Prerequisite: Botany 111.

Spring Quarter—Credit, 3(2-2).

121. PLANT PHYSIOLOGY. (Formerly Bot. 122.) The plant is considered from the standpoint of activities; absorption, and transportation of raw materials, manufacture, storage of food, growth and movement in response to stimuli.

Spring Quarter—Credit, 3(2-2).

DEPARTMENT OF BUSINESS AND ECONOMICS

COURSES IN SECRETARIAL SCIENCE

CERTIFICATE IN SECRETARIAL SCIENCE

This course is designed for those who have been graduated from an accredited high school and cannot devote more than two years to college work, but who wish to equip themselves for efficient service as confidential secretaries. Upon the satisfactory completion of this course a certificate is awarded.

Persons with a college degree or two years accredited teaching experience, and graduate from a standard high school may spend one year and fulfill the requirement for certificate in Secretarial Science.

212. SECRETARIAL STUDIES. This course deals with the qualifications, duties, responsibilities and work of a secretary. The other points considered are: Managing callers, handling correspondence, locating sources of information, making appointments, and other routine and special duties in systematizing the office.

Spring Quarter—Credit, 3(1-4).

214. SHORTHAND. The course includes a study of word building and the general principles outlined in the Gregg shorthand manual and speed studies. The first five lessons are thoroughly mastered during this quarter.

Fall Quarter—Credit, 5(5-0).

215. SHORTHAND. This course is a continuation of 214 and with added emphasis on transcription of simple letters and documents.

Prerequisite: 214.

Winter Quarter—Credit, 5(5-0).

216. SHORTHAND. The principles are concluded early in this course and emphasis is placed on difficult dictation, speed test and reporting speeches.

Prerequisite: 215.

Spring Quarter—Credit, 5(5-0).

217. **TYPEWRITING.** The typewriting course covers a working knowledge of the use of all parts of the typewriter, a thorough command of the keyboard by means of the touch system, rhythmic drills, practice in writing words, etc.

Any Quarter—Credit, 2.5(0-5).

218. **TYPEWRITING.** This course is concerned with tests and drills for speed and accuracy in the transcription of easy material from printed matter and shorthand notes.

Prerequisite: 217.

Winter Quarter—Credit, 2.5(0-5).

219. **TYPEWRITING.** Technical typewriting is emphasized in this course by allowing the student to spend most of his time on tabulation, stencil cutting, report-making and other practical duties.

Prerequisite: 218.

Winter Quarter—Credit, 2.5 (0-5).

221. **OFFICE TRAINING.** This is a training course in office appliances commonly used in the modern office, such as adding machine, mimeograph, filing equipment, etc. Students will be required to do practice work in the offices and plants in and around Greensboro. A study is also made of the executive work connected with offices of many types. Two hours each week are devoted to discussion of the various problems found in these offices.

Fall, Winter or Spring Quarter—Credit, 5(1-8).

(Work may be taken during any quarter at the discretion of the instructor.)

222. **ADVANCED STENOGRAPHY.** Advanced stenography is a review of the principles and practices of shorthand and typewriting for the purpose of developing speed. Emphasis is put on the details of report-making, taking dictation from speakers and other specialized fields of shorthand and typewriting. Open to all persons who have had Gregg shorthand.

Winter Quarter—Credit, 5(5-0).

COURSES IN BUSINESS ADMINISTRATION

231. **PRINCIPLES OF BUSINESS.** This course is designed to make the student acquainted with the whole field of business. Principles of Business offers a thorough background in the fundamentals of business organizations, management and finance. Each department of business—accounting, selling,

credit, banking and forecasting—is concisely, yet comprehensively treated.

Credits, 5(5-0).

232. **BOOKKEEPING AND ACCOUNTING.** This course is specially designed to serve as an introduction to the fundamental principles of bookkeeping and accounting for students in the Agricultural and Technical Departments as well as for those in the Department of Economics and Business Administration. In this course a thorough study is made of the theory of accounts, principles of debit and credit, special journals and ledger operations, adjustments, financial statements and the handling of different classes of commercial paper.

Credits, 5(5-0).

233. **ACCOUNTING.** This course presents the underlying principles of accounting as it is practiced in the business world. It deals chiefly with corporation accounting and accounting systems. This is followed by a discussion of the principles underlying accounting valuation and interpretation. The uses to which accounting data are to be put are emphasized at every step.

Prerequisite: B. A. 232.

Spring Quarter—Credit, 5(5-0).

235. **COMMERCIAL LAW.** Sales of personal property, bailments, common carriers, agency, master and servant, partnership, contracts, and general law.

Winter Quarter—Credit, 3(3-0).

236. **COMMERCIAL LAW (Formerly Economics 239).** Corporations, insurance, wills, estates in land, landlord and tenant, guaranteed surety.

Spring Quarter—Credit, 3(3-0).

237. **PRINCIPLES OF SALESMANSHIP.** This course is based upon actual experience of men successful in the field of salesmanship. It develops the subject from sound economics, philosophical and psychological points of view. Economics of salesmanship are presented so that the student may see where the work performed is justifiable and necessary in the economic regime. The course includes psychology so that the student may more readily adjust himself to actual sales conditions and learn why some men and ideas succeed while others fail.

Fall Quarter—Credit, 5(5-0).

239. BUSINESS CORRESPONDENCE. This course makes a thorough and practical analysis of all forms of business letters and gives constructive information on how to write letters that convince, whether they be sales letters, follow-up letters, form letters, complaint, collection or application letters. This course is required of all students in Business Administration and Secretarial Science.

Spring Quarter—Credit, 5(5-0).

COURSES IN ECONOMICS

231. PRINCIPLES OF ECONOMICS. This course begins with a study of such as: The nature and scope of economics, characteristics of the present society, and ends with a consideration of the economic development of the United States.

Fall Quarter—Credit, 5(5-0).

232. ECONOMIC PROBLEMS. This course is concerned with the important economic problems found in our productive and consumptive processes, commerce, market prices, variations and adjustments in business, forms of business organization, labor, capital, banking, public ownership and other related topics.

Winter Quarter—Credit, 5(5-0).

242. MONEY AND CREDIT. This course is a critical study of the theories and principles governing money, credit, and price levels. It is concerned with monetary standards, inflation and deflation, index numbers, international trade and purchasing power.

Spring Quarter—Credit, 5(5-0).

243. MONEY AND BANKING. The course is a general survey of the field, money and banking. Special attention is given to banking, functions of banking, the history of and practical aspects of banking, as well as the federal reserve system and its relations to business.

Credits, 5(5-0).

244. PRINCIPLES OF MARKETING. In this course the following points are analyzed: The marketing of farm products, manufactured good and raw materials, the position and function of various types of middle men, insurance, transportation and storage. Much consideration is given to the selection of markets through market analysis. The course concludes with

serious discussions of the popular proposals to eliminate middlemen, the nature and function of public markets, the ideals of co-operative marketing, and advantages and disadvantages of government participation in marketing activities.

Fall Quarter—Credit, 5(5-0).

245. **MARKETING FARM PRODUCTS.** This course covers the fundamentals of the science of marketing as it applies to farm products.

Winter Quarter—Credit, 5(5-0).

246. **PRINCIPLES OF RETAILING.** This course aims to cover the high points in the retail process of marketing as it is applied especially to the small independent store. Modern grocery and other smaller stores will be used as examples. Detailed studies will be made of store management, finance and control, and marketing.

254. **ELEMENTS OF STATISTICAL METHOD.** A course intended to acquaint students with the elementary principles of statistics. The course and collection of data, the nature of statistical units; the properties and appropriate use of averages; methods of comparison; the tabular and graphic presentation of statistical information necessary to the formulation and execution of business and economic problems will be had through use of appropriate data.

Fall Quarter—Credit, 4(2-4).

256. **INSURANCE.** This course is a survey in a general way of the whole field of insurance. It deals with the nature and statistical basis of different kinds of insurance as: Property insurance, straight life, endowment, accident, industrial, old age, fire, livestock, etc. The function of publicity and the needs for educating the public in the principles and services of insurance receives much attention.

Spring Quarter—Credit, 5(5-0).

257. **PRINCIPLES OF REAL ESTATE.** This course deals with the problems of real estate as follows: Real estate as a profession, classes of property—suburban, apartment, industrial, farm and resort—rentals, leasing, the work of the broker, property management and financing.

Fall Quarter—Credit, 5(5-0).

271. **AGRICULTURAL ECONOMICS.** A general course taking up economics and social problems of agriculture; importance of

agriculture in the United States, demand and supply; labor, machinery, equipment, rural credits, transportation problems, price fluctuations, speculation, land tenure, rent and systems of renting, county agent and farm bureau, state aid, taxation, protective tariff, foreign competition, principles of marketing, and the world's food supply.

Fall Quarter—Credit, 5(5-0).

273. FARM MANAGEMENT. A study of the principles involved in the choice of a proper type of farm; comparative merits of intensive and extensive farming; relation of livestock to farm management; size of farms and the amount of capital in relation to profits; labor in relationship to profits; labor in relationship to machinery; and the layout of fields and buildings.

Spring Quarter—Credit, 3(3-0).

DEPARTMENT OF CHEMISTRY

111. GENERAL CHEMISTRY. A course covering the fundamental principles of chemistry, the properties, reactions, and uses of the various metallic elements and their compounds. Lectures, Demonstration, and Laboratory.

Fall and Winter Quarters—Credit, 5(3-4).

112. GENERAL CHEMISTRY. A completion course in general chemistry, with a detailed study of the metals and their compounds. Lectures, Demonstration, Laboratory.

Prerequisite: Chemistry 111.

Winter and Spring Quarters—Credit, 5(3-4).

113. QUALITATIVE ANALYSIS. This course is an intensive course dealing with the fundamental principles of analysis. It develops the power for the student to form decisions based upon experimental results. Preliminary experiments are introduced to illustrate chemical principles and to give practice in equation writing. The students are required to analyze unknown products, slags, and alloys.

Prerequisites: Chem. 111, 112.

Fall and Spring Quarters—Credit, 5(2-6).

122. ORGANIC CHEMISTRY. A course dealing with the chemistry of the carbon compounds. Special emphasis is laid upon the relationship existing between the various groups. Upon the

application of fundamental physico-chemical principles to the study of such compounds, and upon methods of organic synthesis. Lectures and Laboratory.

Prerequisites: Chem. 111, 112.

Fall Quarter—Credit, 5(2-6).

123. ORGANIC CHEMISTRY. A continuation of Chemistry 122, covering such compounds as the ring structure or aromatic compounds. This course is indispensable to students undertaking the study of Agriculture, Medicine, and Drugs. Lectures and Laboratory.

Prerequisites: Chem. 122.

Winter Quarter—Credit, 5(2-6).

124. ADVANCED ORGANIC CHEMISTRY. Lectures on the applications and limitations of organic reactions, with special reference to synthesis.

Prerequisite: Chemistry 122, 123.

Fall and Spring Quarters—Credit, 5(2-6).

125. ADVANCED ORGANIC CHEMISTRY. A continuation of Chemistry 124.

Prerequisite: Chemistry 124.

Winter Quarter—Credit, 5(2-6).

131. QUANTITATIVE ANALYSIS. A course dealing with Gravimetric Methods of Analysis. Special emphasis is laid upon the physico-chemical principles upon which the success of the determination depends.

Prerequisite: Chem. 113.

Fall and Winter Quarters—Credit, 5(2-6).

132. QUANTITATIVE ANALYSIS. A continuation of Chemistry 131, dealing with Volumetric Methods of Analysis. Lectures and Laboratory.

Prerequisite: Chem. 131.

Winter Quarter—Credit, 5(2-6).

133. QUALITATIVE ORGANIC ANALYSIS. A lecture and laboratory course dealing with the classification, reactions, and identification of organic compounds.

Prerequisite: Chem. 124, 125.

Spring Quarter—Credit, 3(1-4).

134. QUANTITATIVE ORGANIC CHEMISTRY. Training in the quantitative determination of the elements and radicals in organic compounds.

Prerequisites: Chemistry 131, 132, 122, 123.
Any Quarter—Credit, 2(0-4).

DEPARTMENT OF EDUCATION

211. **ORIENTATION.** This course is designed to give the student an insight into college life. The course consists of lectures and discussions relating to the problems of the college student. Suggestions are given as to methods of studying, note taking, extra curricula activities, use of the library, choosing courses of study to meet the requirements of various vocations, etc.

Fall Quarter—Credit, 1(1-0).

212. **OCCUPATIONS.** This course aims to help the individual student find his place in the world of occupations. An effort is made to broaden the student's outlook before he becomes a part of the occupational world. A study is made of the various industries and occupations: Government service, commercial occupations, earth occupations—agriculture, mining, etc.; transportation; banking, etc. The professions—law, medicine, teaching, social service, engineering, etc. Personal service and professions for entertainment, dressmaking, tailoring, hotel and restaurant musicians, artists, actors, etc. Special attention is given to the personal qualifications and opportunities for the various occupations.

Winter Quarter—Credit, 1(1-0).

213. **OCCUPATIONS.** This course is a continuation of 212.

Spring Quarter—Credit, 1(1-0).

221. **GENERAL PSYCHOLOGY.** An introduction to psychological terms, principles and facts. What psychology is and does. A study of reactions and tendencies to reaction; Native and Acquired Traits, Instincts, Emotions, Feelings, Sensation.

Fall Quarter—Credit, 4(4-0).

222. **GENERAL PSYCHOLOGY.** A continuation of psychology course 221, with a special study of the following: Attention, Intelligence, Learning and Habit Formation, Perception, Reasoning, Imagination, Will and Personality. Discussions and reports.

Winter Quarter—Credit, 4(4-0).

231. **EDUCATIONAL PSYCHOLOGY.** This course is devoted to a study of native and acquired traits and capacities of chil-

dren; the learning process; individual differences; general laws and conditions of learning; and the results of investigations relative to the progress of learning in the school subjects.

Prerequisites: Education 221 and 222.

Spring and Summer Quarter—Credit, 5(5-0).

234. **SCHOOL ADMINISTRATION.** A special course for elementary and high school principals. Required of all students preparing for administrative work.

Summer Quarter—Credit, 3(3-0).

236. **TESTS AND MEASUREMENTS.** Principles of testing; aims and objectives; achievement tests; mentality tests; aptitude tests; teachers' marks; methods of content examination; use of tests. Required of all planning to teach.

Prerequisite: 232.

Summer Quarter—Credit, 3(3-0).

237. **PROBLEMS IN SECONDARY EDUCATION.** The scope and function of the High School and its relation to the elementary and its relation to the elementary school and college; the high school pupil; high school curriculum; high school teacher; guidance; teaching loads; professional ethics; extra-curricula activities. Required of all who plan to teach.

Fall and Summer Quarters—Credit, 3(3-0).

238. **PROBLEMS IN SECONDARY EDUCATION.** This course is a continuation of Education 237.

Winter and Summer Quarters—Credit, 3(3-0).

243. **TEACHING OF ENGLISH.** This course is a study of the special problems which confront the teacher of English in the high school. Open only to seniors. Required of those planning to teach English.

Prerequisites: English 211, 212 and 223 or equivalent.

Winter Quarter—Credit, 5(5-0).

244. **THE TEACHING OF CHEMISTRY.** This course deals with the problems that confront the teacher of Chemistry in the high school. Special attention is given to such problems as the planning of laboratories, purchase of supplies, and subject matter of the high school course. Required of those planning to teach the subject.

Prerequisites: Acceptable courses in general analytical and organic chemistry.

Winter Quarter—Credit, 5(5-0).

245. **THE TEACHING OF HISTORY.** A course dealing with a study of the methods of teaching history in high school. Special attention will be given to such problems as the organization of material, class room equipment, etc. Open to seniors. Required of those planning to teach Social Sciences.

Prerequisite: Five quarters of European and American History.

Winter Quarter—Credit, 5(5-0).

246. **THE TEACHING OF MATHEMATICS.** A course which deals with the evaluation of subject matter, modes, methods, and objectives in the teaching of Mathematics in the Junior and Senior high school. Required of those planning to teach the subject.

Prerequisite: Three quarters in Mathematics.

Winter Quarter—Credit, 5(5-0).

247. **THE TEACHING OF FRENCH.** This course is devoted to a study of the problems and difficulties experienced in teaching Foreign Languages. Special attention is given to the matter of class room aids, equipment, etc. Required of those students planning to teach Language.

Prerequisite: Three quarters of College French.

Winter Quarter—Credit, 5(5-0).

248. **THE TEACHING OF GERMAN.** A critical study of contemporary methods of teaching the Germanic languages. Required of those planning to teach German.

Prerequisite: Three quarters in German.

Credit, 5(5-0).

249. **THE TEACHING OF SCIENCE.** A study of the present methods of teaching such courses as Physics and Chemistry and General Science in the high school. Special attention will be given to the equipment of laboratory, etc. Required of those planning to teach in the field.

Prerequisite: Five quarters in the Natural Sciences.

Credit, 5(5-0).

250. **PROBLEMS OF THE COMMERCIAL TEACHER.** Organization, preparation and care of materials, followed by an analysis of the methods of procedure, standards and objectives of the teacher of commercial subjects in high school.

Winter Quarter—Credit, 5(5-0).

251. **OBSERVATION AND PRACTICE TEACHING.** All students planning to teach are required to spend at least thirty hours in

practice teaching in a secondary school.

Spring Quarter—Credit, 5(1-8).

252. **METHODS OF TEACHING HOME ECONOMICS.** A study of the definite aims in home economics. Objectives for the course in public schools with methods of presenting problems.

Winter Quarter—Credit, 5(5-0).

253. **SUPERVISED PRACTICE TEACHING.** A practical application of the methods of teaching home economics. Lesson plans and observation reports required.

Spring Quarter—Credit, 5(5-0).

- 271, 272, 273. **MATERIALS AND METHODS OF TEACHING VOCATIONAL AGRICULTURE.** The following topics are considered: The Smith-Hughes Act; the Agricultural curriculum; seasonal sequence of topics; lesson plans; supervised study; laboratory work; field trips; room and equipment; supervised practice; organizing and conducting short unit, part-time evening and all-day classes; conducting farm shop practice; making community surveys; making annual plans and program of work.

(This course will extend throughout the year in order that the student may get experience in all kinds of patterns.)

Fall, Winter and Spring Quarters—Credit, 3(3-0); 2(2-0); 1(1-0).

- 274, 275, 276. **OBSERVATION AND DIRECTED PRACTICE TEACHING IN VOCATIONAL AGRICULTURE.** This course is to be taken simultaneously with courses 271, 273. Students are expected to do directed teaching in approved schools. Trainee will have opportunity to meet, under natural conditions, as many situations as possible.

Prerequisite: All work below Senior year.

Fall, Winter and Spring Quarters—Credit, 2(0-4); 3(0-6); 1(0-2).

278. **EXTENSION SERVICE.** A study of the development of the Agricultural Extension Service in the United States, with special reference to the status of this service among the Negroes in the Southern States; also a study of the rules, regulations and special methods relative to this work in North Carolina.

Prerequisite: All work below Senior year.

Summer Quarter—Credit, 5(5-0).

332. **TRADE ANALYSIS.** This course gives the student a knowledge of organizing trades and industrial arts courses. Emphasis is put on the selection of a line of useful and practical projects and the grouping of these projects in the order of their learning difficulties.

Summer Quarter—Credit, 3(3-0).

333. **MATERIALS, EQUIPMENT AND SHOP RECORDS.** The problems of equipping and arranging trades and industrial arts shops, and the care of materials, tools, safety first, and records, are discussed.

Summer Quarter—Credit, 3(3-0).

341. **VOCATIONAL GUIDANCE.** The problem of vocational guidance, its beginning, organization and administration in high schools. Special attention will be given to guidance in the Junior and Senior high school as it relates to the work of Industrial Arts.

Summer Quarter—Credit, 3(3-0).

343. **METHODS OF TEACHING SHOP AND RELATED SUBJECTS.** Fundamental factors in teaching, agencies of education, class room management, selection of problems and projects, job sheets and lesson plans.

Winter Quarter: Credit, 3(3-0).

345. **OBSERVATION AND PRACTICE TEACHING.** Opportunity for observation and practice teaching will be provided. Trades and Industrial Arts teachers may acquire experience in lesson planning and teaching under the direction of the teacher-training.

Spring Quarter—Credit, 3(3-0).

ELECTRICAL ENGINEERING

331. **DIRECT CURRENT MACHINERY.** A study of magnetism, motors and generators as to the performance characteristics. Lectures and laboratory experiments.

Fall Quarter—Credit, 5(3-4).

332. Continuation of 331.

Winter Quarter—Credit, 5(3-4).

333. **ALTERNATING CURRENT MACHINERY.** A study of alternators, induction and synchronous motor converters. Lectures and laboratory experiments.

Fall, Winter and Spring Quarters—Credit, 3(3-0) each.

345. **GENERATING STATIONS.** Care of instruments, transformers and prime movers and a study of economic management of substation equipment.
Fall Quarter—Credit, 3(3-0).
346. **TELEGRAPHY AND TELEPHONY.** Installation, maintenance and testing of telephone and telegraph lines.
Fall Quarter—Credit, 5(3-4).
- 347-348. **AUTOMATIC TELEPHONE.** A study of automatic and semi-automatic telephone exchanges.
Winter and Spring Quarters—Credit, 5(3-4) each.
350. **INDUSTRIAL MOTOR CONTROL.** A study of manual and automatic control in connection with a detail investigation of control apparatus and wiring diagrams.
Winter or Spring Quarter—Credit, 3(3-0).
351. **ELECTRIC TRANSMISSION LINE.** A study of power distribution, wiring for lighting and substation feeder systems.
Spring Quarter—Credit, 3(3-0).
352. **STORAGE BATTERIES.** A study of various types of secondary cells and so far as their operating characteristics and engineering applications are concerned.
Winter or Spring—Credit, 5(3-4).
353. **ELECTRIC RAILWAYS.** The course deals with the principles and designs of various types of electric railway construction.
Spring Quarter—Credit, 3(3-0).
354. **RADIO CIRCUITS.** Consists of a study of receiving and transmitting apparatus as well as filter circuits and telephone amplifying equipment.
Spring Quarter—Credit, 2(2-0).

DEPARTMENT OF ENGLISH LANGUAGE AND LITERATURE

211. **ENGLISH COMPOSITION.** (Required of all Freshmen.) Review of the principles of Grammar and Syntax, Punctuation, and Spelling. Frequent oral and written exercises, theme, and letter writing. Constant drill in the rudiments of English Composition.
Any Quarter—Credit, 5(5-0).
212. **ENGLISH COMPOSITION.** (Required of all Freshmen.) Analytical study of the principles of structure and style in

the whole composition, the paragraph, and the sentence. Exposition and Argument; Descriptive and Narrative writing. Frequent themes and analysis of specimens of prose composition.

Any Quarter—Credit, 5(5-0).

215. NEGRO LITERATURE. A survey of important Negro writers and their place in modern American literature. The work of the course consists of readings, reports, oral and written, and one special topic.

Winter Quarter—Credit, 3(3-0).

220. AMERICAN LITERATURE. Reading in early American Literature. Manifestations of Puritanism and incipient Romanticism as revealed in the works of representative authors.

Winter Quarter—Credit, 5(5-0).

221. AMERICAN LITERATURE. Continuation of 220. An examination will be made of the more important phenomena of Romanticism that were developed by American writers during the nineteenth century. Lectures, assigned readings, reports on special topics, and the independent investigation of romantic and realistic tendencies in recent and contemporary literature.

Spring Quarter—Credit, 5(5-0).

222. DEVELOPMENT OF ENGLISH LITERATURE IN OUTLINE. (Required of all Sophomores.) Reading in English Literature from the beginnings to 1700. Study of the growth of ideas and institutions, of the types of literature, and of the great personalities who have contributed most to our literature. Lectures. Reports.

Fall Quarter—Credit, 5(5-0).

223. DEVELOPMENT OF ENGLISH LITERATURE IN OUTLINE. (Required of all Sophomores.) Continuation of 221. English Literature from 1700 to the twentieth century. Lectures. Reports.

Winter Quarter—Credit, 5(5-0).

231. JOURNALISM. Theoretical and practical work in recognizing, gathering, and writing news. While primary attention is given to the development of journalistic technique, there is considerable drill on the fundamental principles of composition, and, in general, all written work is rewritten after detailed criticism by the instructor.

Fall Quarter—Credit, 5(5-0).

232. **PRINCIPLES AND PRACTICE OF PUBLIC SPEAKING.** The methods of securing the attention and maintaining the interest of an audience. Practice in the application of principles and methods to simple exposition and argumentation.
Fall Quarter—Credit, 3(3-0).
233. **DRAMATICS.** A course in acting, playwriting, and dramatic production, with some attention given to the history of the drama. The presentation of dramatic programs and selected plays required.
Fall Quarter—Credit, 5(5-0).
234. **SHAKESPEARE.** A detailed study of Macbeth, Henry IV, Part I, and King Lear. Richard II, Henry IV, Part II, Julius Caesar, and *All's Well that Ends Well* to be read outside of class. Shakespearean criticism, memory passages, and a report on special topic.
Spring Quarter—Credit, 5(5-0).
235. **CHAUCER.** Introduction to Middle English literature. Most of the Canterbury Tales will be read in class. Lectures; outside reading; reports.
Winter Quarter—Credit, 5(5-0).
236. **ARGUMENTATION AND DEBATING** (formerly English 213). A specific thorough study of the principles of Argumentation. Briefs on several questions are constructed, at least one complete argument on a carefully chosen question is required, and several informal arguments are written. Discussions, lectures, and class debates designed to emphasize the phrasing and analysis of the proposition, methods of refutation and platform decorum.
Fall Quarter—Credit, 5(5-0).
237. **THE AMERICAN NOVEL.** A study of the beginning and the development of the novel in America, with special emphasis on the modern novel. Lectures, assigned reading, special reports both oral and written.
Prerequisite: English 221.
Summer Quarter—Credit, 4(4-0).
238. **MILTON.** A detailed study of Milton's English poems with special attention given to Paradise Lost. Also a study of his important prose. Lectures, assigned reading, memory passages, and a report on a special topic.
Spring Quarter—Credit, 3(3-0).

241. EIGHTEENTH CENTURY LITERATURE. Readings in the poetry and prose of Neo-Classicism and the Enlightenment. Lectures. Reports.
Fall Quarter—Credit, 5(5-0).
242. THE ROMANTIC ERA. The principles and ideas of Romanticism as expressed in the works of the principal English writers of poetry and prose from 1798 to 1823. Term report.
Winter Quarter—Credit, 5(5-0).
243. THE VICTORIAN ERA. Readings in the works of the principal English writers of the Victorian Age. Term report.
Spring Quarter—Credit, 5(5-0).
244. ADVANCED COMPOSITION. Open to all upperclassmen. A review of Freshman English, but with some attention given to an appreciation of literature and of the principles of style proper.
Fall Quarter—Credit, 5(5-0).

DEPARTMENT OF FOREIGN LANGUAGE

COURSES IN FRENCH

211. ELEMENTARY FRENCH. French Grammar, translation and composition for beginners and students who do not present credit for two years of high school French. Not open to students who present two units of high school French.
Fall Quarter—Credit, 5(5-0).
212. FRENCH GRAMMAR. A continuation of French 211. Not open to students who present two units of high school French.
Winter Quarter—Credit, 5(5-0).
213. READING AND COMPOSITION. Oral and written composition supplemented by reading from standard authors.
Spring Quarter—Credit, 5(5-0).
214. INTERMEDIATE FRENCH. Advanced French Grammar and translation. This course is open to students who have passed in courses 211 and 212 or who have successfully done two years of high school French.
Fall Quarter—Credit, 5(5-0).
215. INTERMEDIATE FRENCH. Rapid reading of modern French literature.
Winter Quarter—Credit, 5(5-0).

216. INTERMEDIATE FRENCH. French prose and poetry. Reading, lectures and explanation of texts. This course is offered to give the student a general view of French literature from the seventeenth century to the present day.

Spring Quarter—Credit, 5(5-0).

221. ADVANCED FRENCH. Conversational French. Practice in reading, writing and speaking French. Abstracts in French, both oral and written of works read outside of the class room. Introduction to systems of phonetics. Especially designed for those intending to teach the language.

Prerequisite: Three Quarters of College French.

Fall Quarter—Credit, 5(5-0).

222. ADVANCED FRENCH. A careful and complete survey of the fundamental principles of French Grammar, with consideration of difficult points of syntax, discussion of text books and methods. Primarily for those intending to teach the language.

Prerequisite: Three Quarters of College French.

Winter Quarter—Credit, 5(5-0).

223. ADVANCED FRENCH. Continuation of French 222.

Spring Quarter—Credit, 5(5-0).

231. FRENCH LITERATURE. A rapid survey of French literature from the beginning to the eighteenth century. Reading, translation, lectures, discussions and reports.

Fall Quarter—Credit, 5(5-0).

232. EIGHTEENTH CENTURY LITERATURE. The economic, social and literary aspects of France in eighteenth century, with special reference to the works of Diderot, Montesquieu, Voltaire and Rousseau. Reading and translations.

Winter Quarter—Credit, 5(5-0).

233. CONTEMPORARY FRENCH CIVILIZATION. Discussions, readings and reports in French on present day social, economic and political conditions in France.

Spring Quarter—Credit, 5(5-0).

245. FRENCH SEMINAR. Open, with approval of instructor, to Seniors with a major in French.

Credit, 3(0-6).

COURSES IN GERMAN

211, 212, 213. ELEMENTARY GERMAN. Careful drill upon pronunciation. The memorization and frequent repetition of easy colloquial sentences. Drill upon the rudiments of grammar, that is, upon the inflection of the articles, of such nouns as belong to the language of everyday life, or adjectives, pronouns, weak verbs and the more usual strong verbs; also upon the use of the more common prepositions, the simple uses of the model auxiliaries, and the elementary rules of syntax and word-order.

Fall, Winter, and Spring Quarters.

Credit, 5(5-0) each Quarter.

214, 215, 216. INTERMEDIATE GERMAN. Abundant easy exercises designed not only to fix in the mind the form and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression. The reading of graduated texts from a reader, with constant practice in translating into German easy variation upon sentences selected from the reading lesson (the teacher giving the English), and in the reproduction from memory of sentences previously read.

Fall, Winter, and Spring Quarters—Credit, 5(5-0) each Quarter.

221. ADVANCED GERMAN. Reading of modern prose, modern comedy, scientific selections, composition, grammar. Oral exercises.

Fall Quarter—Credit, 5(5-0).

222. ADVANCED GERMAN. Reading from the more difficult standard modern authors.

Winter Quarter—Credit, 5(5-0).

223. ADVANCED GERMAN. A continuation of German 222.

Spring Quarter—Credit, 5(5-0).

231. GERMAN LITERATURE. A survey of the German authors including: Storm: Heyse, Keller, Schiller, Goethe, Heine, and Wagner. A masterpiece taken from one of the above will be read in class room.

Prerequisite: German 223.

Fall Quarter—Credit, 5(5-0).

232. THE GERMAN NOVEL. Lectures on the characteristics of the German Novellen. *Romeo Und Julia Auf Dem Dorfe* will be read in class.

Winter Quarter—Credit, 5(5-0).

233. MODERN AUTHORS. Rapid reading of stories and dramas written toward the end of the nineteenth century.

Spring Quarter—Credit, 5(5-0).

245. SEMINAR. German. Open only to Seniors majoring in German.

Credit

COURSES IN SPANISH

- 211, 212, 213. ELEMENTARY SPANISH. The Spanish Grammar. Drill in the use of forms, word order, and idioms. A thorough foundation will be emphasized. Special emphasis placed on the use of idioms. The use of the subjunctive, and preparation of the student for the spoken language.

214. ORAL SPANISH. An attempt will be made to drill students in the idioms of the spoken language.

215. COMMERCIAL SPANISH. Specially designed for students taking business administration.

Prerequisite: Spanish 213.

216. SPANISH PROSE COMPOSITION. Advanced work dealing with the use of every day idioms used in the Spanish *diarios*.

DEPARTMENT OF SOCIAL SCIENCES

COURSES IN HISTORY

- 211, 212. MODERN EUROPEAN HISTORY. This course is a survey of the principal factors in the history of modern Europe. Economic, social, political, religious and intellectual movements are studied in reference to their relations to the development of national states and the growth of democracy and the expansion of Europe. Emphasis is laid on international relationship and on events culminating in the Great War. Lectures, collateral readings, special reports and map work.

Fall and Winter Quarters—5(5-0) each Quarter.

213. HISTORY OF THE NEGRO. This course opens with a brief survey of the African background of the Negro and traces him from Africa to America. It includes a study of his enslavement, with special emphasis on slavery in America, his life on the plantation, the Free Negro before 1860, abolition, and the Civil War with special emphasis on the part played by Negro troops, achievements since 1865,

forces in Negro progress, some problems of the Negro, the part played by him in the World War. Special phases of the Negro are studied together with the forces that are operating to unite the race. Woodson, *The Negro in Our History*, is used as the basis of the course and is supplemented by lectures, collateral readings, examination of sources, preparation of bibliographies, the presentation of papers.

Spring Quarter—Credit, 5(5-0).

- 221, 222. A general survey of the political, social, and economic history of the United States from 1492 to 1828 and from 1828 to 1925.

Fall and Winter Quarters—Credit, 5(5-0) each quarter.

231. ANCIENT HISTORY. This course is designed for those majoring in the field or who plan to teach History in secondary schools. It includes a study of the civilizations and contributions of the people of the Orient along the Nile and of Greece and Rome.

Fall Quarter—Credit, 5(5-0).

232. MEDIAEVAL HISTORY. A history of the middle ages with particular attention to social and economic conditions and cultural and religious development.

Winter Quarter—Credit, 5(5-0)..

233. HISTORY OF LATIN AMERICA. A study of the rise and development of the Latin American nations, with special attention to their relations with each other and with the outside world.

Spring Quarter—Credit, 5(5-0).

COURSES IN POLITICAL SCIENCE

231. FEDERAL GOVERNMENT. A general introductory course in the government of the United States to acquaint the student with the more important facts of the organization and working of Federal institutions and to give a foundation for more advanced work in government. The principles of political science; the state, the nation, the government; constitution, legislatures, executives, cabinets, and courts.

Fall Quarter—Credit, 5(5-0).

232. STATE AND LOCAL GOVERNMENTS. A study of state constitutions and of the structure and functions of state and local institutions in the United States.

Winter Quarter—Credit, 5(5-0).

233. **GOVERNMENTS OF EUROPE.** This course will be devoted to a consideration of the fundamental principles and functions of the leading European governments.

Spring Quarter—Credit, 5(5-0).

234. **AMERICAN POLITICAL PARTIES.** A study of the development of political parties, the caucus, political convention, primaries and other forms of nomination.

Winter or Summer Quarter—Credit, 3(3-0).

COURSES IN GEOGRAPHY AND GEOLOGY

240. **PRINCIPLES OF GEOGRAPHY.** The geological features of North America, including topography, drainage, geology, soils and climate. This is followed by an analysis of physiography with special reference to the physiographic provinces of the United States.

Fall Quarter—Credit, 5(5-0).

241. **COMMERCIAL AND INDUSTRIAL GEOGRAPHY.** This course deals with the value and importance of physical environment of man and its influence upon commerce and industry.

Winter Quarter—Credit, 4(4-0).

242. **COMMERCIAL AND INDUSTRIAL GEOGRAPHY.** A continuation of course 241. A study is made of the industrial and commercial contributions of the various nations of the world to progress. Special topics are assigned.

GEOLOGY

131. **GENERAL GEOLOGY.** A general discussion of geologic forces and their results, dealing chiefly with the principal facts of the science, with reference to the agencies affecting changes in the earth's form. The course includes a study of composition of the earth, soil forming minerals and characteristics. Rocks and their identification, weathering, residual soil formed from various rocks. The work of winds, ground water stream and their work, alluvial deposits. Glaciation and glacial soils, oceans, lakes and inland waters, together with interpretation of geologic and soil maps.

Fall or Winter Quarter—Credit, 5(4-2).

COURSES IN SOCIOLOGY

231. **PRINCIPLES OF SOCIOLOGY.** A general survey of the field of sociology as a social science. Particular emphasis will be laid on social organization, conditions and problems.

Fall Quarter—Credit, 5(5-0).

232. **COMMUNITY LIFE.** A detailed study of community life, both rural and urban. Social issues that affect state as well as municipal government will be given much attention. Students will be encouraged from time to time to acquaint themselves with current problems in specific communities.
Winter Quarter—Credit, 5(5-0).
233. **INTRODUCTION TO ANTHROPOLOGY.** The field of anthropology; origin and antiquity of man, his essential characteristics, relation to the animal kingdom; criteria of race distinction, the several races and some anthropological problems.
Spring Quarter—Credit, 5(5-0).
241. **THE FAMILY.** A survey of the family organization from primitive times to the present, and the analysis of the factors that enter into family development.
Fall Quarter—Credit, 5(5-0).
242. **RACE PROBLEMS.** A study of local conditions, situations, attitudes and progress of the various races in the United States, and methods of dealing with interracial problems.
Winter Quarter—Credit, 5(5-0).
243. **RURAL SOCIOLOGY.** A broad survey of the field of rural life in its social aspects.
Spring Quarter—Credit, 5(5-0).

HOME ECONOMICS

COURSES IN APPLIED ART

211. **PRINCIPLES OF ART AND DESIGN.** A study of the fundamentals of art and design; an analysis of color and the part it plays in everyday life.
Winter Quarter—Credit, 3(0-6).
212. **COSTUME DESIGN.** A study of the principles of design as they apply to dress. A study of color in the selection and designing of clothing for various types of individuals is made through the use of costume paper.
Spring Quarter—Credit, 3(0-6).
213. **HOUSE PLANNING AND INTERIOR DECORATION.** A study of house planning, the application to the proper treatment of the interior with practice in the selection and arrangement of furniture.
Winter Quarter—Credit, 3(0-3).

COURSES IN TEXTILES AND CLOTHING

211. CLOTHING I. Adaptation and use of commercial patterns; kind, qualities, and quantities of materials; elementary facts which underlie the successful selection of textile fabrics; Winter Quarter—Credit, 3(0-6).
212. CLOTHING II. The planning of clothing budgets of individuals and of family groups; planning and construction of garments for children, men and women with emphasis on rapidity of construction, labor-saving devices, and relative costs.
Prerequisite: Clothing 211 and Art 212.
Winter Quarter—Credit, 3(0-6).
223. TEXTILE APPRECIATION. A study is made of the textiles fibers, their source, production, characteristics, identification and uses for personal and household uses. Physical and chemical tests are made.
Spring Quarter—Credit, 3(2-2).
232. CLOTHING III. Aesthetic and modish adaptation of materials to the individual; self-expression through dress; self-fitting and problems in silk fabrics, renovation and practice in demonstration work.
243. CLOTHING IV. Fundamentals in tailoring and essentials in millinery.
Prerequisites: Clothing 211, 212, 213 and 232. Art 212, 232.
Fall Quarter—Credit, 3(0-6).

FOODS, NUTRITION, AND DIETETICS

221. FOOD BUYING AND PREPARATION. A study of food selection, buying, preparation and serving with special emphasis on nutritive values, digestibility, scientific principles of cookery and hostess courtesies.
Spring Quarter—Credit, 3(3-6).
223. MEAL PREPARATION AND SERVICE. Meal preparation and service from the standpoint of such principles of food as source, availability, cost, food values, food combinations, and food preparation involving the economical and social aspects of serving formal and informal meals.
Winter Quarter—Credit, 3(0-6).

231. MEAL PLANNING. Individual planning and preparation of meals for the family group. Special menus and advanced table service.

Fall Quarter—Credit, 3(0-6).

241. NUTRITION AND DIETETICS. A study of the principles of nutrition, the essentials of an adequate diet; normal diets from infancy through old age and nutritive requirements of various individuals with suitable diets for various occupations.

Spring Quarter—Credit, 3(0-6).

242. SPECIAL PROBLEMS. Problems in working with such classes of foods as might be of special interest to the individual student, such as efficiency in making a certain class of cake, candy, etc., with special emphasis as to cost in relation to the finished product.

Spring Quarter—Credit, 3(0-6).

COURSES IN HOUSEHOLD ECONOMICS

223. HOUSEHOLD MANAGEMENT. Organization and simplification of house-work through efficiency in house planning and construction, and in the methods of housekeeping; standards of living and family expenditures, budgets and accounts.

Winter Quarter—Credit, 3(3-0).

223. ECONOMICS OF THE HOUSEHOLD. This course includes problems of income, housing, standards of living, budgets and accounts.

Prerequisites: Economics and Foods 223.

Spring Quarter—Credit, 3(3-0).

242. CHILD CARE AND HOME NURSING. A study of the care, development and training of the infant and pre-school child; application of the principles of maintaining and improving health with emphasis on the home care of the sick.

Spring Quarter—Credit, 4(3-2).

MATHEMATICS

311. COLLEGE ALGEBRA. The course begins with operation upon surds and continues with theory of exponents, irrational and imaginary numbers, quadratic equations, equations solved like quadratics, simultaneous equations, etc. A general review of Algebra with advanced conceptions.

Prerequisite: High School Algebra.

Fall Quarter—Credit, 5(5-0).

312. TRIGONOMETRY. Functions of angles and their practical application to solution of problems, relations of acute logarithms of numbers and trigonometric functions, solutions of the right and oblique triangles by logarithms.

Prerequisite: Math. 311.

Winter Quarter—Credit, 5(5-0).

313. ANALYTIC GEOMETRY. Analytic Geometry.

Prerequisite: Math. 312.

Spring Quarter—Credit, 5(5-0).

314. DESCRIPTIVE GEOMETRY. Short lectures and individual class room instruction. Class room exercises are issued in form of problem sheets which the student finishes according to directions. Emphasis is placed upon the ability to visualize the problems and processes of solution. 314 includes the study of the fundamental conceptions of orthographic projection and fundamental problems on lines, planes and solids.

Fall Quarter—Credit, 3(1-4).

321, 322, 323—DIFFERENTIAL AND INTEGRAL CALCULUS. Derivation of formulae for differentiation and integration with applications.

Prerequisite: Math. 313.

Fall, Winter, and Spring Quarters—Credit, 5(5-0).

324. SURVEYING. The method of using the compass, transit, tape and level in making plane surveys. Lectures and field work. Elementary stadia work.

Prerequisite: Math. 312.

Fall Quarter—Credit, 5(5-0).

ALL ADVANCE COURSES—CREDIT, 5(5-0)

331. DIFFERENTIAL EQUATIONS. Presented in alternate years. Given in 1932-'33.

332. INTRODUCTION TO HIGHER ALGEBRA. Presented in alternate years.

Given in 1932-'33.

333. INTRODUCTION TO THEORETICAL MECH. Presented in alternate years.

Given in 1932-'33.

334. LIMITS AND SERIES. Presented in alternate years. Not given in 1932-'33.

335. ADVANCED CALCULUS. Presented in alternate years. Not given in 1932-'33.

336. THEORY OF FCNS. OF A COMPLEX VARIABLE. Presented in alternate years.
Not given in 1932-'33.

MILITARY SCIENCE

1. In October, 1919, the United States War Department designated military training at the A. and T. College under the provision of Special Regulation No. 45, War Department, 1920.

2. All male students who are physically fit and sixteen years of age or over, automatically become members of the Military Department upon entering school.

BENEFIT AND VALUE OF MILITARY TRAINING

The department of Military Science presents an opportunity for the student to learn the essentials of command and leadership at the same time learning the fundamental essentials of Military Science and Tactics. Through a co-ordinated program with the department of Physical Education, the physical fitness of the student is stressed.

211. MILITARY SCIENCE. The essentials of military discipline; courtesies. Theory of close and extended order drill to include the squad.
212. MILITARY SCIENCE. Care and cleaning of the rifle; preliminary instruction in rifle marksmanship. Elementary sanitation and first aid.
213. MILITARY SCIENCE. Theory and practice of close and extended order drill to include the rifle section.
221. MILITARY SCIENCE. Orientation of national military policy. close and extended order of the rifle to include the rifle platoon.
222. MILITARY SCIENCE. The duties of the members of an exterior guard. Scouting and patrolling.
223. MILITARY SCIENCE. Combat principles of the rifle squad and section. Theory and practice of close order drill to include the rifle company.

MUSIC

211. APPRECIATION OF MUSIC. Lectures and private reading. Analytical study of the masterpieces with special reference to the listener. This course does not presuppose a technical knowledge of music.
Fall Quarter—Credit, 1(0-2).
212. MUSIC. Lectures and private study of the best known classics, and the ability to know masterpieces by hearing the theme and something of importance of the composer's life.
Winter Quarter—Credit, 1(0-2).
213. MUSIC. Lectures and study of the progress and rise of music, together with more detailed study of the art forms and their development. These forms are illustrated from time to time by selection from the works of composer under discussion, the principal aim being to furnish the student with a general knowledge of this art upon which to base further studies in the appreciation of music.
Spring Quarter—Credit, 1(0-2).
221. MUSIC. A more detailed study of the various phases in development of art music. Lectures, reading and reports together with musical illustrations.
Fall Quarter—Credit, 1(0-2).
222. MUSIC. A critical study of the lives and works of the composers who have exerted the greatest influence on music, with particular attention to the sources which have influenced their individual styles.
Winter Quarter—Credit, 1(0-2).
223. CHURCH MUSIC. History of the music of the Christian Church from the first century to the present time. Chants, masses, hymns, anthems, oratorios, cantatas, and organ music. The aim of the course is to acquaint the student with the best sacred music both ancient and modern.
Spring Quarter—Credit, 1(0-2).
234. PUBLIC SCHOOL MUSIC. Elementary Harmony prerequisite. This course is offered for those who wish to prepare themselves to supervise or teach music in secondary and normal schools. This course is required for all who major in music, but may be elected by any member of the college department. The study of the child's voice, elementary curriculum,

methods, music notation, directing ensemble singing, observation, practice teaching, etc.

Any Quarter—Credit, 2.5(0-5) each.

PHYSICAL EDUCATION

THE GENERAL AIMS OF PHYSICAL EDUCATION

The aims of this department are to develop organic power, vitality, the prerequisites to physical and mental efficiency; to secure muscular development, bodily skill and grace; to provide an incentive and an opportunity for every student to secure physical recreation as a balance to the sedentary demands of school life. The department also aims to offer social and moral values of games and sports, and also to establish high ideals of athletics. It trains the individual along the lines of leadership, fellowship and develops a love of recreation.

Further, it aims to acquaint the student and teacher with a keener realization of periodic health examinations; to give to the public trained recreational leaders.

Note: Regular college students (girls), are required to have two years of "gym" work. (This means that they must have a uniform.)

211, 212, 213. DEVELOPMENTAL GYMNASTICS (Required of Freshmen.) This is a course in practice in general gymnastics. It includes hand apparatus, floor and hanging apparatus, games, tumbling, free exercises and rhythmic work, and mass games and military exercises.

Fall, Winter and Spring Quarters—Credit, 1(0-2) each.

221, 222, 223. DEVELOPMENTAL GYMNASTICS (Required of Sophomores). Advanced technique, classic, and athletic dances. Instruction in music and its relation to the dance, and a continuation of the first year's work with special emphasis on the practice of teaching and first aid training.

Fall, Winter, and Spring Quarters—Credit, 1(0-2).

225, 226. FOLK DANCING. This course takes up practice and theory. The theory deals with the national differences of dance and costume. The practice takes up the dances of the various countries. A notebook including the lectures and dances, with illustrations, is required.

Winter and Spring Quarters—Credit, 2(1-2) each.

244. PAGEANTRY. This course includes the history of pageantry, writing, organization, coaching, and the stage properties necessary for producing a pageant, both for indoor and outdoor use.

Spring Quarter—Credit, 1(1-0).

DEPARTMENT OF PHYSICS

- Physics 311, 312, 313. A general survey course in physics which deals with the properties of matter, the mechanics of liquids and gases, sound and heat, the mechanics of solids, optics and a general study of electricity.

Fall, Winter, and Spring Quarters—Credits, 5(4-2) each Quarter.

- Physics 314. A survey of modern physics. A course which presents the modern concepts and theories of the structure of matter, and is non-mathematical in nature. It deals with the picture of an atom and the behavior of atomic structures. The modern concepts of chemical valence or attraction of chemical elements, is worked out. A mathematical background is not required.

Winter Quarter—Credit, 3(3-0).

331. ELECTRICITY AND MAGNETISM. A presentation of the mathematical theory of electricity and magnetism.

Prerequisite: Physics 313, Math. 323.

Credit, 5(5-0).

332. THERMODYNAMICS. A presentation of the fundamental laws of thermodynamics. Study of the applications of thermodynamics to heat engines, air compression, and refrigeration.

Prerequisite: Physics 313.

Credit, 5(5-0).

333. ELECTRON PHYSICS. A presentation of the fundamental phenomena of electron physics. Cathode rays, charge, and mass of the electron, photoelectricity, radio-activity, thermionic emission, radiation and ionization potentials.

Prerequisite: Physics 313, Math. 323.

Credit, 5(5-0). Presented in alternate years. Not given in 1932-'33.

334. INTRODUCTION TO MATHEMATICAL PHYSICS. A mathematical background for further work in advanced physics. Study of the elementary mathematical tools of physics.
Prerequisite: Physics 313, Math. 323.
Credit, 5(5-0).
335. INTRODUCTION TO THEORETICAL PHYSICS. A survey in an elementary manner of the entire field of theoretical physics. Presented from a mathematical point of view.
Prerequisite: Physics 334, Math. 323.
Credit, 5(5-0). Presented in alternate years.
336. SPECTROSCOPY. Series of lines in spectra. Rutherford atom, and the Bohr-Somerfeld theory of atomic structure, Zeeman effect, Stark effect.
Prerequisite: Physics 335, Math. 323.
Credit, 5(5-0).
337. X-RAY CRYSTAL ANALYSIS. Introduction to crystallography, geometrical theory of crystals, rotating and powder methods of x-ray analysis, Laue spots and their interpretation.
Prerequisite: Physics 313.
Credit, 5(5-0).

THE TRADE SCHOOL

OUTLINE OF INDUSTRIAL LABORATORY COURSES

AUTO MECHANICS

Training Objective: General repairman of reasonable skill and ability.

Length of course: Two years of 9 months each.

Amount of time in shop: Five hours per day.

Section 1. Bench work (for students without related shop subjects), 240 hours.

Section 2. Chassis and chassis repairs (total 280 hours):

1. Frames and springs, 65 hours.
2. Steering gears and front axles, 45 hours.
3. Rear axles and springs, 125 hours.
4. Lubrication, 20 hours.
5. Tire care and repair, 25 hours.

Section 3. Power system (total 400 hours):

1. Clutches, transmissions, universals, 65 hours.
2. Engine assembly and repair, 120 hours.
3. Lubrication, 20 hours.
4. Cooling system, 40 hours.
5. Fuel system, 150 hours.

Section 4. Starting and Lighting System (total 450 hours):

1. Elementary electricity, 200 hours.
2. Ignition (battery and magneto), 110 hours.
3. Batteries and battery care, 40 hours.
4. Starting motors and generators, 50 hours.
5. Wiring and lighting, 50 hours.

Section 5. Body care and repair (total 60 hours):

1. Washing and polishing the car.
2. Minor repairs to top and upholstering.
3. Repairing doors and removing body squeaks.
4. Removing old and installing new bodies.
5. Repairing fenders, hoods, aprons and radiator covers.
6. Repairing dents in the body.

Section 6. Auxiliary apparatus (total 60 hours):

1. Safety devices.
2. Horns.
3. Windshield wipers.
4. Rear view mirrors.
5. Stop lights.
6. Car heaters.

Section 7. Operating and trouble shooting (total 120 hours):

1. Chassis.
2. Power system.
3. Starting and lighting.
4. Body
5. Auxiliary apparatus.

Section 8. Shop methods and management (100 hours).

NOTE: Maximum size of class, 25 students.

CARPENTRY

First Year:

A study of the tools used by the carpenter and their care. Exercises in making the various types of joints used by the carpenter. Cutting and placing sills, joists, studs, corner posts, girders, plates, bridging, braces, single and double headers for door and window openings, partitions, headers and trimmers for stairway and chimney openings.

Lectures. Woods, their growth and structure, grading rules, methods, and types of framing, the steel square, care and operation of wood working machinery.

Second Year:

Making and placing door and window frames. Interior finishing, such as jobs involving the cutting and placing of casings, bases, mouldings, etc. Covering of inside floors and walls; hardware. Exterior covering and finishing as shingling, finishing of eaves and gables, siding, sheathing, corner boards, wire for plaster or stucco finish.

Lectures. The finish of floors and interior wood work. Trade terms; various materials used on interior and exterior and finishing; contractors' methods.

STAIR BUILDING

Third Year:

Jobs involving the laying out, cutting and placing of straight run stringers, platform flights, dog leg flights, treads, risers, newels, skirting boards, rails, balusters, etc. Roof framing involving the cutting, placing and nailing of jack, common, valley and hip rafters. Chimney opening.

Lectures. Blueprint reading and estimating.

CABINET MAKING

First Year:

Care and use of tools. Making of joints used in cabinet maker's trade. Building talorets, tables, book cases and other pieces involving the use of the various joints. Practice in chair caning. Interpretation of simple cabinet maker's drawings.

Lectures. Furniture, Woods, their growth and structure. Grading rules, mill practice, costs.

Second Year:

Wood work continued. Fine and period furniture, veneering, simple carving, wood turning, furniture finishing, rubbing and polishing, mixing of stains, fillers, etc.

Lectures. Furniture construction finishes, characteristics of period furniture.

FURNITURE UPHOLSTERING

First Year:

Furniture upholstery. Tools and accessories, springing up, pillow and cushion, the pad seat, the hard stitched edge, double stuffing, circular backed chairs, spring back pieces, simple and pleated buttoning, cording, banding, gimping, etc. Overstuffed furniture upholstery, trimming, overstuffed pieces.

Lectures. Estimating, classes of fillers and fabrics, springs, the four principal textile weaves, advertising.

SHOEMAKING AND LEATHER WORK

First Year Trade:

The student first learns the construction of the various kinds of shoes; the method of fastening the parts together—welts, uppers, innersoles, outsoles, felts, stays and all forms and classes of heels. Thread and needle are next studied. The art of twisting and waxing threads, attaching threads to bristles, uses of threads and needles are included in this study. The student is next taught the use of the knife; cutting and fixing soles, stays, heels and uppers; patching; capping; sewing rips; uses of hammer, rasp, buffers, sandpaper and nails; sizes of nails; uses of ink, and burnishing and finishing. In addition the student is taught the care and operation of foot-power machinery and its use in sewing rips and patching.

Second Year Trade:

All students having satisfactorily completed their first year course in shoemaking will begin their second year course with the study of leather, its qualities, kinds and treatment. The various kinds of shoes, cloth, rubber, composition, imitations of leather are studied. Emphasis is placed on the repair of the shoes. The various kinds of heels are next studied—wooden heels, aluminum heels, military heels, Cuban heels, Baby Louis heels, French and rubber heels. The student is then taught the fitting of rubber and aluminum heels, and the recovery and fitting of leather heels. The various methods of soling are taken up next—hand sewed soles, machine sewed, tacked and channel nailed. Manipulation and care of power machines, eyelet machines; button machines; making of buttonholes; uses of cements; and the cutting of tongues and vamps and soles, completes the course.

MACHINE SHOP PRACTICE

Section 1. Plain turning between centers—cast iron, steel and soft metals. Grinding roughing tools. Facing ends—all metals. Chucking. Use of outside and inside calipers. Cutting off stock. Truing rough castings. The use of lathe dogs and special clamps.

Section 2. Setting up work with use of jigs. Tool making: machine taps, tempering and testing. Drilling holes in sheet metal where special clamps are involved. Boring deep holes on lathe with special tool. Working brass and copper on the lathe.

Section 3. Nomenclature of machines. Adjusting machines. Setting up new machines. Speeds and feeds for various grades of work and upon various grades of material. Making small parts for machines with use of drill press and lathe. Threading pipe with pipe threading machine.

Section 4. Job work (outside work). Operation of milling machine, key seating, end milling, etc. Gang milling. Horizontal milling. Vertical milling. Gear cutting. Function and use of standard machines.

TAILORING

The course in Tailoring covers three years of thorough training in repairing, cleaning, pressing, altering, making of suits and overcoats. The variety of making new garments and in repairing permits arranging and carrying out of the course

of study which equips a student for such work as is met in commercial life.

The course of study follows:

First Year:

Care of shop and tools. Position on tailor's board. Practice in use of needle, thimble; in overcasting, felling, back-stitching, making button hole and machine sewing. Study and classifying materials, practice in making flies, waistbands, straps, flaps for pockets, pockets from drafts, cutting and fitting linings, spacing buttons and finishing uniform trousers, civilian trousers and overalls.

Second Year:

Review. Studying different parts of the vest, making various pockets, collars, facing and working from drafts. Vest making. Vest drafting, studying the various parts of the coat. Cutting and making canvas collars and sleeves. Working from drafts, making facings, foreparts, edges, joining seams, basting, linings, and finishing work.

Third Year:

Review of first and second year work. Coat and overcoat making. Studying changes that affect work in citizens' garment making. Work on ordinary citizens' garment continued. Studying grades of material, estimates, cost and quality of materials. Working from drafts. Study of harmony in colors, drapery in garments. Measuring, drafting and cutting the garments studied. Students are required to make a suit to show proficiency. Study of current trade events during the year.

BRICKLAYING

The course in Bricklaying and Plastering requires two years for completion.

Practical instruction in house building, chimney and flue construction, concrete work and kalsomining is given. Working drawings, materials, formulae, technical problems and estimates are taken up during the regular periods. Lectures covering the above are given at intervals throughout the year.

All models are constructed from blueprints or working drawings.

First Year:

Classification of materials, constructing piers, pillars, walls of different bonds and sizes, arches and corners of different sizes and designs. Laying brick sills for doors and windows, setting window and door frames, construction flues, single chimneys, burial vaults, scaffolding, etc. Live practice. (Weekly lecture on related problems.)

Second Year:

Rapid review of first year. Staking out and laying off buildings, excavating, foundation leveling, manhole construction, hollow tile and face brick construction, mantle and veneer construction, chimney construction and line practice. (Weekly lectures on related work.)

PLUMBING

First Year:

Plumbers' tools and their uses. Joining flux used in soldering, solder, fitting for drain, soil waste and vent pipes. Location of traps, location of air inlets, vents, traps, etc. Rain water conductors, method of determining size. Location of water closets, tanks and urinals. Ventilation of water closets, traps, test for drainage system, method of applying.

Second Year:

Sewers and sewage systems. Principles of house drainage, filtration, water supply, etc. Principles of hot water circulation. Pneumatic water supply, ventilating shafts, areas. Air, lack, causes, and prevention.

Third Year:

Methods of supplying country houses by hydrants, pumps, wind mills, etc. Bacterial action in septic tanks. Plumbing systems for hospitals and schools. Plumbing systems for mills and factories. Plumbing systems for office and store buildings. Plumbing systems for apartment and tenement houses. Correcting defective plumbing plans. Process for obtaining permits, license, etc.

LAUNDRY MANAGEMENT

In addition to its rapid and splendid growth in the past few years, the college has increased its constituency by establishing a modern and in every way up-to-date steam laundry.

The plant is built for the purpose of meeting the needs of the students and faculty; but greater than this, however, is the opportunity that it offers to students to receive instruction, along the line of commercial laundering. The superintendent, a man of experience in this particular line of work, is in charge of the plant and we are now offering the following three-year course to all prospective students:

COURSE OF STUDY

First Year:

During the first year the student's work will consist of the following: Marking and assorting of soiled linen; classifying of various articles in the respect of type; learning how to operate and care for the American marking machine; helping in the work room; learning how to operate and care for the American motor-driven extractor; shaking out flat linen; feeding and folding of linen after ironing; learning how to operate and care for the American dry tumbler; operating the sock machine; keeping work and marking room clean and sanitary.

Second Year:

In the second year the student will concentrate his time and effort on the work room and its equipment. The operating of the American work machine will be carried on in the following manner: Use of hot and cold water; taking notice of time consumed in working different kinds of linen; how and when to change water in machine; when to add soap, bleach, and blue; how to cook and use starch correctly.

Third Year:

In the third year the student will be expected to complete the following: Operating of sheet units; finishing of shirts, collars, socks, etc.; folding and classifying of underwear; operating of the American press machine; hand ironing of various descriptions; pressing of suits; operation of the United States Hoffman garment press; assorting and checking out of each individual package, wrapping, sealing, and delivering.

DEGREES CONFERRED ON RANKING STUDENTS

1931-32

HONOR STUDENTS

First—HATTIE E. DIFFAY*Second*—OVETA V. BROWN*Third*—CARRIE V. HILL

DEGREES CONFERRED MAY 31, 1932

GRADUATES

1931-32

BACHELORS OF SCIENCE IN AGRICULTURE

Beverly, Peter Bolling	Jarratt, Va.
*Colson, Lester Clarence	Norwood
Jenkins, Chester Arthur	Ahoskie
Johnson, Walter Thaniel	Rocky Point
Jones, Robert Earl	Henderson
*Mitchell, James Jefferson	Ahoskie
Moffitt, James Link	Greensboro
Slade, William Henry	Robersonville

BACHELORS OF SCIENCE IN MECHANIC ARTS

*Coles, Jonas Henry	Philadelphia
Sledge, Fred Douglas	Vaughan
†Thornton, Burnis Hillman	Warrenton
Woodard, Fred Orville	Chicago

BACHELORS OF SCIENCE

Brown, Oveta Valeria	Englewood, N. J.
Diffay, Hattie Eugenia	Birmingham, Ala.
Dillard, Cecil Rudel	Tupelo, Miss.
Forney, Dorus Edison	Hickory
*Foster, Nora Joyce	Spartanburg, S. C.
*Harris, James Edward	Rocky Mount
*Harris, William Charles	Greensboro
Hill, Carrie Virginia	Greensboro
Jones, James Henry	Lenoir
†Martin, Thomas William	Spray
Moore, John Wesley	Hickory
Parker, Pearl Banks	High Point
Pollard, Floyd Clinton	Laurinburg
Saunders, Clifton Alexander	Greensboro

*Spaulding, Leora Jones.....	Greensboro
Taylor, Andrew Wesley.....	Greensboro
Whitley, James Earl.....	Smithfield
Williamson, Troy Lemuel.....	Ruffin

Certificates granted the following students:

COMMERCIAL DEPARTMENT

McCray, Lois Eleanor.....	Greensboro
Robinson, Clarice Dorothy.....	Greensboro

AUTO MECHANICS

Cosby, John Allen.....	Hamlet
Kemp, John Edwin.....	Waynesville
May, Clayton Giles.....	Wilmington
Mayo, William Hubert.....	Norfolk, Va.

TAILORING

Glover, Fletcher Lee.....	Siler City
Manning, James Douglas.....	Kittrell
Taggert, Everett Vester.....	Salisbury

PRIZES AND AWARDS

Balfour Key.....	Hattie E. Diffay
John Merrick Medal.....	Fred D. Sledge
Saslow's Medal (first).....	Hattie E. Diffay
Saslow's Medal (second).....	Carrie V. Hill
Simkins Medal.....	Clarence I. Sawyer
M. F. Spaulding Prize.....	Robert E. Jones
Sebastian Prize.....	Vincent D. White
Cohen Jewel Box Prize.....	Lois McCray

DISTRIBUTION OF STUDENTS BY CLASSES

SENIOR CLASS—1932-33

Armwood, Walter A., Brewer Junior College.....	Greenwood, S. C.
Barrier, Josephine, Miss, 122 N. Dudley Street.....	Greensboro
Broome, Taft H.....	Dallas

*Degrees conferred July 15th.

†Degrees conferred August 26th.

Browning, James Calvin.....	Burlington
Bryant, Charles Lavington, 922 S. 7th Street.....	Wilmington
Buffaloe, Otis, Box 44.....	Brown Summit
Capehart, William Wadsworth, 312 Smithfield Street.....	Raleigh
Capott, Russell Joseph, Route 1, Box 226.....	Norfolk, Va.
Davis, Ralph Harden.....	Sylva
Dupree, Ollen Augustus, 604 Tyson Street.....	Greenville
Eberhardt, William Hale, 1420 Hancock Avenue.....	Athens, Ga.
Elliott, Elmond Arshtees, 58 Dobbs Street.....	Hertford
Foust, Loretta Annabelle, Miss, 424 N. Dudley Street.....	Greensboro
Graves, Mernell Margaret, P. O. Box 343.....	Gibsonville
Hines, Edward, 205 W. King Street.....	Newark, N. J.
Holland, Theodios Hiawatha, 1437 N. W. 6th St.....	Miami, Fla.
Keiser, Luther Alexander, 414 Taylor Street.....	Oxford
Kelly, Mary Jane, Miss, 45 Catholic Avenue.....	Asheville
Knight, David Jasper, 321 Raleigh Road.....	Rocky Mount
Ledbetter, Freeman H.....	Etouch
Lyons, John Henderson.....	Roxboro
Monroe, Walter H., 504 Lindsay Street.....	Greensboro
Morris, Washing Irving, Box 529.....	Reidsville
Scott, Clyde Swanson, 1006 Benbow Road.....	Greensboro
Sessoms, Nathaniel H., Route 4, Box 4.....	Powellsville
Stanback, Albert Leon, 145 Center Street.....	Chester, S. C.
Vick, Doris Vivian, Miss, 622 E. Green Street.....	Wilson
Walker, Vivian Lois, Miss, 802 S. Jefferson Street.....	Dublin, Ga.
Wallace, Harriette Pearl, Miss, 222 Regan Street.....	Greensboro
Warren, William Robert, 58 Liberty Street.....	Long Branch, N. J.
Washington, T. Wilkins, 2901 8th Avenue.....	Huntington, W. Va.
White, Vincent DeVan, 274 N. View Street.....	Spartanburg, S. C.
Williamson, Curran Walter, 697 S. Elm Street.....	Statesville

JUNIOR CLASS—1932-33

Banks, Burnwell B., 360 W. Bragg Street.....	Greensboro
Blue, James H.....	Troy
Bluford, Zena, Miss, 4622 Fairmount Avenue.....	Philadelphia
Bright, James Francis.....	Magnolia
Brown, William R.....	Barber, N. C.
Charlton, James Edward, 136 E. Carterett Street.....	Edenton
Clark, George Robert, 626 S. Ashe Street.....	Greensboro
Dulin, Alice Eva, Miss, 993 Armstrong Street.....	Greensboro
Galloway, Drewella French, Miss, 1116 E. Market Street.....	Greensboro
Galloway, Lillian Hortense, Miss, 1116 E. Market Street.....	Greensboro
Galloway, Tedia Mae, Miss, 267 Rockford Street.....	Mt. Airy

Griffin, Curl Caesar, 203 Wallace Street.....	Orange, N. J.
Harris, Edward M., 322 Rockspring Street.....	Athens, Ga.
Harris, Wrenton Osceola, 526 S. Macon Street.....	Greensboro
Holloway, Edythe Lillian, Miss, 213 Burkemount Ave.....	Morganton
Houston, Edward Sylvesta, Jr., Box 262.....	Live Oak, Fla.
Hawkins, Samuel T., Box 706.....	Burlington
Haygood, Preston, 908 E. Boundary Street.....	Charlotte
Henderson, William Howard, 1135 Odgen Street.....	Philadelphia
Kyer, Edward Holland, 1623 Richland Street.....	Columbia, S. C.
Lawson, James Henry.....	Reidsville
Lee, Lillian J., Miss, 1711 E. Market Street.....	Greensboro
McAdoo, Arthur Franklin, Route 4, Box 252.....	Greensboro
McCoy, Almo, P. O. Box 7.....	Method
McKoy, Andrew James, 210 N. Regan Street.....	Greensboro
McLeod, William A., Route 2, Box 26.....	Laurinburg
Manley, Dorothy Rebecca, Miss, 82 King Street.....	Hertford
Monroe, Eugene, 1010 19th Street.....	St. Petersburg, Fla.
Morrow, Archibald Holdone, 705 Vargrave Street.....	Winston-Salem
Morris, Luther James.....	Rich Square
Pearson, Phairlever.....	Mt. Pleasant
Peay, William Lester, 204 Lincoln St.....	Concord
Price, Frederick Adolphus, Princess Anne Academy, Princess Anne, Md.	
Price, Maud Elsie, Miss, 919 Lindsay Street.....	Greensboro
Sawyer, Clarence I.....	Shoals
Shavers, Windsor Will, Box 353.....	Leaksville
Smith, Calis Earl, 606 Cedar Street.....	Beaufort
Steele, Mae Alice, Miss, 999 Armstrong Street.....	Greensboro
Tatum, Marian Christine, Miss, 409 N. Dudley Street.....	Greensboro
Telfair, Reginald E., 615 Walnut Street.....	Wilmington
Thompson, Alonzo Fuller, Route 2, Box 8.....	Faison
Vick, Dorsey James, 1401 Mt. Vernon Avenue.....	Newport News, Va.
Wade, Annie Belle, Miss, Route 1, Box 112.....	Greensboro
Walker, Arnold George, 389 W. Buttle Street.....	Talladega, Ala.
Watson, Paul Edward.....	Smithfield
White, Martha Virginia, Miss, 1300 Pine Street.....	Chattanooga, Tenn.
Whitlock, Hazel Lucile, Miss, 2305 Connecticut Street.....	Gary, Indiana
Williams, Clarence.....	Littleton
Williams, Daniel Arthur, 818 S. Ashe Street.....	Greensboro
Wilson, Martin Luther.....	Moyock
Woods, Naurice Frank.....	
Wright, Hattie Graves, Miss, 422 N. Dudley Street.....	Greensboro

SOPHOMORE CLASS—1932-33

Albright, Marvin B., Box 833.....	Burlington
Anderson, John Rulax, 123 N. Jefferson Street.....	Roanoke, Va.
Banks, Delbert H., 360 W. Bragg Street.....	Greensboro
Baugham, George Carver, Route 1, Box 12.....	Rich Square
Bass, Henry M., General Delivery.....	Suffolk, Va.
Boyce, Cornelius Cleveland, Route 1, Box 2.....	Rich Square
Brent, Robert Eudice, Route 4, Box 81.....	Staunton, Va.
Brown, Herbert Elliot, 1110 N. 7th Street.....	Wilmington
Burgess, Vincent A., 356 Halsey Street.....	Brooklyn, N. Y.
Burnett, William Elijah, 416 Seventh Street.....	Wilmington
Burrell, Annie Irene, Miss, P. O. Box 226.....	Drakes Branch, Va.
Canada, Weldon Delancy, 959 Main Street.....	Woburn, Mass.
Cavaness, Vernell James, 707 Law Street.....	Greensboro
Davenport, Warner Conway.....	Folly, Va.
Dillard, John William, 713 South Ashe Street.....	Greensboro
Dudley, Samuel Lawrence, 708 N.....	Greensboro
Dunn, William Lawrence.....	Spring Hope
Elliott, Balaam, 1112 McGee Street.....	Greensboro
Ellis, Edward Philip, 1419 Oak Street.....	Columbia, S. C.
Evans, Otis, Box 70.....	Walstonburg
Evans, Robert Lee, 321 Percy Street.....	Greensboro
Fairley, Thomas Alfonso, 419 W. Whittington Street.....	Greensboro
Finney, Claude Swanson, Route 1, Box 82.....	Cumberland, Va.
Fisher, Arthur Weldon, 519 S. Craige Street.....	Salisbury
Griffin, Lymus Richard, Route 1, Box 124.....	Whiteville
Grimes, Willie Thomas, 521 Pennsylvania Avenue.....	Rocky Mount
Hargrave, Harvey Mack, 228 E. 3rd Avenue.....	Lexington
Hinton, Collins I., Route 2, Box 68.....	Clayton
Holt, William Ernest.....	Wilson Mills
Ireland, Clark Hubert, 523 Ireland Street.....	Greensboro
Ivy, Joseph Davis, 513 Holbrook Street.....	Danville, Va.
Johnson, Carrie Elizabeth, 1423 5th Avenue.....	Hickory
Kennedy, Samuel Matthews, 816 Royal Street.....	East Spencer
Lane, Minnie Louise, Miss, Route 4, Box 210.....	Greensboro
Lanier, Jesse John.....	Bath
Lassiter, Grady Lee.....	Harrellsville
Ledbetter, Bessie Lee, Miss, 309 S. Stewart Street.....	Rockingham
McAdoo, Garland Henry, Route 4.....	Greensboro
McKeathen, George King, P. O. Box 31.....	Southern Pines
McKoy, Charles, 310 E. Franklin Street.....	Rockingham
McLendon, Henry Theodore, Jr.....	Ansonville
Mason, Stephens Willard, Route 5, Box 54.....	Henderson

Mitchell, Annie R., Mrs.	Freeman
Mitchell, Marie Olga, Miss	Freeman
Moore, McCleveland	Clarkton
Poole, Johnnie James, 622 S. Ashe Street	Greensboro
Price, Charles Wesley, 15 Sound View Terrace	S. Norwalk, Conn.
Richardson, Arthur R., 20 Willington Street	Boston, Mass.
Richardson, Everette E., 1339 E. Washington Street	High Point
Rogers, Jesse S., 1210 W. Dauplin Street	Philadelphia, Pa.
Shelton, George Alexander, 391 Warren Street	Roxbury, Mass.
Speller, John Turner	Windsor
Stewart, John Edwin, 1209 S. 6th Street	Wilmington
Wallace, Mary Louise, Miss, 322 Regan Street	Greensboro
Ward, James Standford, Box 291	Leaksville
Williams, Cornelius N.	Littleton
Williams, Henrietta, Miss, Route 2, Box 5	Barnwell, S. C.
Wooten, Charles Delmos, Box 138	Lexington

FRESHMAN CLASS—1932-33

Alexander, Burnie Chap, 1216 Campbell Street	Camden, S. C.
Alexander, William Andrew, 338 Chambers Street	Lynchburg, Va.
Alston, Matilda T., Miss, 529 Monro Road	Wynnwood, Pa.
Bigelow, Euphrey Tankersley, Miss, Route 2, Box 235	Greensboro
Brown, Minnie Doris, Miss, Route 2, Box 43	Bladenboro
Burden, Isaac Monroe, 934 Gordon Avenue	Norfolk, Va.
Caldwell, Frank, Jr., 112 Benbow Road	Greensboro
Cherry, William A., 921 East Market Street	Greensboro
Chisolm, Napoleon, 23 Crawford Street	Rock Hill, S. C.
Copening, Costello, 1120 McGee Street	Greensboro
Corbett, Alexander, Jr.	Lake Waccama
Daniels, Veola, Miss, 404 Boyd Street	Greensboro
Dixon, Ernest Washington, P. O. Box 142	Peachland
Edmiston, Alonzo Bope, 19 W. 137th Street	New York City
Gaylord, Cavassa Herbert, 600 E. Washington Street	High Point
George, Ethel, Mrs., 429 High Street	Greensboro
Gill, John Cirt, Box 35	Elizabethtown
Goodwin, Herman Duesenburg	Hamlet
Gordon, Nancy Mildred, Miss, 240 W. Whittington Street	Greensboro
Gordon, William James, 515 S. Davidson Street	Charlotte
Green, Rachel Virginia, Miss, Route 1, Box 64	Clio, S. C.
Gunn, Mary Louise, Miss, 824 Cumberland Street	Greensboro
Guy, Elsie Mae, Miss, 411 Beech Street	Greensboro
Haith, Robert, Jr., 400 Stewart Street	Greensboro
Hannon, William Marion, Box 651	Tryon

Harbison, Robert Lee, 411 Concord Street.....	Morganton
Hargraves, Floyd Ralph, 1051 E. Market Street.....	Greensboro
Hayes, John Edward, 520 N. W. 12th Street.....	Miami, Fla.
Headen, William, 305 Bennett Street.....	Greensboro
Hines, Carl Wendell, 617 East Green Street.....	Wilson
Humphrey, Hilliard Raymond.....	Dallas
Ingram, Veda Mae, Miss, 1503 East Market Street.....	Greensboro
Jeffress, Joseph Edward.....	Charlotte C. H., Va.
Jeffress, Queen Esther, Miss.....	Charlotte C. H., Va.
Johnson, Gwendolyn Anita, Miss, 522 Rutherford Avenue—	
	—N. W. Roanoke, Va.
Johnson, James Franklin.....	Dillon, S. C.
Jones, Alexander Walter.....	Whiteville
Jones, Carter James.....	Wise
Jones, Hortense Estelle, Miss, 317 Beech Street.....	Greensboro
Jones, Rose LaVerne, Miss, 4804 E. 30th Street.....	Indianapolis, Ind.
Jones, Thomas Langston, Station "B".....	Winston-Salem
Jones, William Henry, 324 Division Street.....	Durham
Keen, James Pendleton, 800 Hanover Avenue.....	N. E. Roanoke, Va.
McRae, Thomas Preston, Route 1, Box 62.....	Rennert
Medley, Lois Virginia, Miss, 500 Macon Street.....	Greensboro
Melton, Judson Carlyle, 400 Beech Street.....	Greensboro
Miller, Emma Lona, Miss.....	Forest City
Mitchell, Irvin Reed, 224 Regan Street.....	Greensboro
Mitchell, Lester William, Route 2, Box 16.....	Monroe
Mitchell, Rivera Grenville, 2105 E. Market Street.....	Greensboro
Mitchell, Thaddeus, 2105 East Market Street.....	Greensboro
Moore, Robert Daniel, 810 Redcross Street.....	Wilmington
Moore, Talmes Monroe, 217 E. Bamon Street.....	High Point
Newsome, Alda Marion, Miss, 511 South Street.....	Albany, Ga.
Payton, Earl Lennion, 1303 W. 3rd Street.....	Greenville
Pittman, James Waddell, Route 1, Box 171.....	Whiteville
Price, James Weldon, 15 Sound View Terrace.....	So. Norwalk, Conn.
Rance, Arthur Floyd, 604 Adam Street.....	Suffolk, Va.
Rice, Lucile Emma, Miss, 726 E. Washington Street.....	High Point
Scales, Andrew Leroy, 427 N. Dudley Street.....	Greensboro
Short, Henry Brevard, 308 Percy Street.....	Greensboro
Shute, Matthew Atkins, 1736 West Trade Street.....	Charlotte
Simmons, Edwin Alfred, 9 Clinton Street.....	Inwood, L. I., N. Y.
Smith, Elworth Elaxiso, Route 5, Box 137.....	Mount Airy
Spaulding, John Andrew, Route 4, Box 52.....	Clarkton
Speller, George David, Route 4, Box 100.....	Windsor
Suggs, Phillip Napoleon, Box 5.....	Snow Hill

Thomas, William Dodd, 406 East 8th Street.....	Minneapolis, Minn.
Tyler, John Alton, P. O. Box 512.....	Roxboro
Wall, Melvin Floyd, Box 801.....	Albemarle
Whitlock, Rose Elmyra, Miss, 2305 Connecticut Street.....	Gary, Ind.
Withers, John Lovell, 519 Bennett Street.....	Greensboro
Withers, Robert B., 519 Bennett Street.....	Greensboro
Yarborough, Lettie Belle, Miss, 804 Pickett Street.....	Durham

SPECIAL STUDENTS

Alexander, Louise Elizabeth, Miss, 303 11th Street, N. E. Washington, D. C.	
Allison, Geraldine Frances, Miss, 409 N. Dudley Street.....	Greensboro
Arledge, Odessa, Miss, 501 Benbow Road.....	Greensboro
Artis, Isaac Amos.....	Stantonsburg
Corry, Izetta, Mrs.....	Blacksburg, S. C.
Corry, John.....	Blacksburg, S. C.
Fuller, Walter Roosevelt.....	Sedalia
Jenkins, Bennie Harrison, 312 Maple Street.....	Ahoskie
Jones, Joseph L., Box 182.....	Winton
Lee, Floyd McMohan, 2317 Wood Street.....	Shelbyville, Ill.
Moore, Thomas L., 933 Whitmen Street.....	Danville, Va.
Sewell, William R., 608 Anderson Street.....	Greenville, S. C.

TRADE STUDENTS

Alston, Harvey, 1509 Fayetteville Street.....	Durham
Anderson, Mathew, 557 Church Street.....	Greensboro
Brown, James Lenwood, 1506 42nd Street.....	Norfolk, Va.
Currie, David, P. O. Box 190.....	Fayetteville
Hill, Charles G.....	Asheboro
Hill, Clarence Greene.....	Asheboro
Hursey, Julius Hinton, Route 1, Box 23.....	Hamlet
Johnson, John J., 1216 Campbell Street.....	Camden, S. C.
McDonnell, Richard Hubert.....	Clarkton
O'Neal, Dempster E., 4221 W. N. Market Street.....	St. Louis, Mo.
White, Lenwood, 520 Ireland Street.....	Greensboro
Williams, Ralph Frederick, 2186 East 39th Street.....	Cleveland, Ohio
Greene, Carlos Vincent, 400 E. Blouitt Street.....	Kinston
Hicks, Derry M.....	Maysville
Howard, Frank F., Route 3, Box 261.....	Durham
Wilson, Joseph.....	Boiling Springs

SUMMER SESSION 1932

(First Session)

Allen, Mary E., Miss.....	Cary
Allison, Geraldine F., Miss, 409 Dudley Street.....	Greensboro
Archer, Lollie M., Mrs.....	Reidsville
Arnold, Lydia, Miss.....	Asheboro
Aldridge, Annie, Miss, 1100 E. Washington Street.....	Greensboro
Artis, Isaac A., 503 Boyd Street.....	Greensboro
Baldwin, Alice E., Miss.....	Asheboro
Banner, Elizabeth, Miss, 176 S. Georgia Avenue.....	Concord
Barnhill, Della E., Mrs.....	Troy
Barnhill, Marietta, Miss.....	Troy
Barnhill, O. F.....	Troy
Barrier, Josephine, Miss, 122 N. Dudley Street.....	Greensboro
Baucum, John, 7114 Gorrell Street.....	Greensboro
Beatty, Fannie P., Miss, 415 N. McDowell Street.....	Charlotte
Bobo, Olive, Miss, 397 Evins Street.....	Spartanburg, S. C.
Bowden, Annie, Miss.....	Mt. Gilead
Bowden, Bettie, Miss.....	Mt. Gilead
Brooks, Mabel V., Miss.....	Woodsdale
Brooks, Roscoe C.....	Woodsdale
Brown, Elnora, Miss, Route 1, Box 26.....	Altamahaw
Brown, Essie Marie, Miss, 700 Benbow Road.....	Greensboro
Brown, G. Gibbs, Mrs., 946 W. McCulloch Street.....	Greensboro
Brown, Ive Mae, Miss, 807 Isler Street.....	Goldsboro
Brown, Lucille Jean, Miss, 108 Cedar Street.....	Goldsboro
Brown, Vivian L., Mrs., Route 1, Box 27.....	Altamahaw
Bullock, Mary D., Mrs., 501 Bennett Street.....	Greensboro
Bynum, Laura, Miss, 1314 Harden Street.....	Columbia, S. C.
Campbell, Clarence E., 1826 Lowerline Street.....	New Orleans, La.
Capel, E. M., Mrs., 309 Salisbury Street.....	Wadesboro
Carney, Vesono B., Mrs., Route 2, Box 235.....	Greensboro
Carter, Mary A., Miss, 126 Prince Street.....	Reidsville
Coles, Jonas H., Benbow Road.....	Greensboro
Collins, Elizabeth L., Miss, 628 Landing Street.....	Norfolk, Va.
Colson, Lester C., Box 155.....	Norwood
Connor, Jesse L., 158 W. Chestnut Streret.....	Concord
Cooper, Charlotte L., Miss, 263 W. 152nd Street.....	New York City
Cooper, George W.....	Hertford
Corbett, Margaret L., Miss, 125 N. Dudley Street.....	Greensboro
Corrothers, Grace A., Miss, P. O. Box 255.....	Warren, Arkansas
Cotten, Eunice V., Mrs., 513 Boyd Street.....	Greensboro
Crawford, Imogene Bigelow, Mrs., Route 2, Box 235.....	Greensboro

Currie, A. A., Box 75.....	Lincolnton
Daniels, Mildred, Mrs.....	Reidsville
Darden, Margaret L., Miss, 305 W. Elm Street.....	Goldsboro
Davenport, Bessie, Mrs.....	Lenoir
DeVone, R. J., Box 241.....	Red Springs
Dillard, Eva Thelma, Miss.....	Leaksville
Dillard, Jeanette, Miss, 1600 Lindsay Street.....	Greensboro
Dobbins, Carl W.....	Troy
Dobbs, Lillie King, Route 1.....	Reidsville
Dowdey, Dora G., Mrs.....	Jackson Springs
Douglas, Robert J., 717 Adams Street.....	Vicksburg, Miss.
Edwards, DeLois M., Miss, Box 48.....	Siler City
Elliott, Elmond A., 58 Dobbs Street.....	Hertford
Ellis, Willie M. Hines, Mrs., Route 1, Box 15.....	Barber
Etheridge, William S.....	Windsor
Eubanks, Chole, Miss.....	Bynum
Evans, Ananias Thomas, Box 133.....	Lexington
Farrar, Nettie Lillie, Miss.....	Merry Oaks
Farrington, Catherine V., Miss, 330 Pine Street.....	Lexington
Faucette, Elizabeth N., Miss, Route 4, Box 113.....	Burlington
Faucette, Eunice M., Miss, Route 4, Box 113.....	Burlington
Fleming, Sethelle, Miss, No. 11 Druid Street.....	Greensboro
Flournoy, Gertrude L. Parson, Mrs.....	Tryon
Ford, Flossie E., Miss.....	Whiteville
Forney, William A., 105 N. Dudley Street.....	Greensboro
Foster, Lettie Liles, Mrs., P. O. Box 34.....	Liberty
Foster, Nora Joyce, Miss, 358 E. Henry Street.....	Spartanburg, S. C.
Foster, Pluma L., Mrs., Box 332.....	Liberty
Foushee, Julia E., Miss, Box 4.....	Bynum
Foust, Lorena I., Mrs., 610 Correll Street.....	Greensboro
Foust, Loretta A., Miss, 424 N. Dudley Street.....	Greensboro
Fox, Louise R., Mrs., 841 Austin Street.....	Greensboro
Foye, Eddie M., Miss, 515 Blount Street.....	Washington, N. C.
Franks, Marjorie N., Miss.....	Asheboro
Frazier, John, 993 Armstrong Street.....	Greensboro
Fulton, Gertrude A., Mrs., 731 Gillispie Street.....	Greensboro
Galloway, Tedia Mae, Miss, 267 Rockford Street.....	Mt. Airy
Gaston, Rose A., Miss, 524 S. 12th Street.....	Hickory
Gaylord, Louise, Miss, 600 E. Washington Street.....	High Point
Gilmer, Stella, Miss, 224 N. Regan Street.....	Greensboro
Gilreath, Grace Virginia, Miss.....	Wilkesboro
Grant, Ernest E.....	Asheboro
Graves, Addie L., Mrs., P. O. Box 343.....	Gibsonville

Graves, Mernell M., Miss, P. O. Box 343.....	Gibsonville
Green, William H.....	Lexington
Greer, Alma, Miss, 406 Stewart Street.....	Greensboro
Greer, Maud C., Miss, 406 Stewart Street.....	Greensboro
Groves, John W.....	Sanford
Hagins, Sadie Lee, Mrs., 1013 Lindsay Street.....	Greensboro
Hairston, Ludie, Mrs.....	Martinsville, Va.
Hall, George Samuel, Route 10, Box 246.....	Charlotte
Hamilton, Joseph B., 604 Asheville Street.....	Morganton
Harbison, Kathleen C., Miss, 411 Concord Street.....	Morganton
Harris, Carolyn, 910 Dunbar Street.....	Greensboro
Harris, James E., 1014 Gay Street.....	Rocky Mount
Harris, Lillian J. Douglas, Mrs., Box 593.....	Aberdeen
Harris, Lillian Slade, Mrs.....	St. Marys, Ga.
Harris, Rosa Gertrude, Miss.....	Pekin
Harris, William C., 147 Dudley Street.....	Greensboro
Hawkins, Esther W., Mrs., Star Route.....	Asheboro
Hawkins, Washington.....	Asheboro
Hayes, Suella S., Mrs., 422 N. Dudley Street.....	Greensboro
Hazel, Mabel, Miss.....	Burlington
Hazel, Margaret, Miss.....	Burlington
Henderson, Walter E., 1325 Cleveland Avenue.....	Winston-Salem
Henry, Addie M., Mrs., 87 Ridge Street.....	Reidsville
Hicks, Naomi E., Miss.....	Thomasville
Hill, Birdie Lee, Miss, 304 Beech Street.....	Greensboro
Hill, Frances M., Miss.....	Southport
Hines, Edward, 317 Beech Street.....	Greensboro
Holloman, Esther, Mrs., 435 N. Dudley Street.....	Greensboro
Holloway, Edythe L., Miss, 213 Brickmount Avenue.....	Morganton
Hopper, Edna Cleo, Miss.....	Leaksville
Horne, Alcia F., Miss.....	Wadeville
Hubbard, James A. B., 70 Lackey Street.....	Hamlet
Huntley, Lydia Bertina, Miss, 938 W. McCulloch Street.....	Greensboro
Ingram, Nora M., Mrs., Route 3.....	Mt. Gilead
Jackson, Fannie P., Mrs., 30 N. Evans Street.....	Greenville
Jackson, Laura A., Miss, 2221 Richland Street.....	Columbia, S. C.
Jackson, Lillian Gilbert, Miss, 417 Banks Street.....	Greensboro
James, Ernest L., 193 Lincoln Street.....	Concord
Jenkins, Bennie H., 312 Maple Street.....	Ahoskie
Jones, J. Dalomba, Mrs.....	Ringgold, Va.
Jones, Lillie Belle, Miss, P. O. Box 254.....	Franklin
Jones, William H., 146 Coloden Street.....	Suffolk, Va.
Keiser, Luther A.....	Oxford

Kelly, Mary Jane, Miss, 45 Catholic Avenue.....	Asheville
Leak, John Kermit, Bennett College for Women.....	Greensboro
Ledbetter, Freeman H., 149 Beech Street.....	Greensboro
Lewis, Curtis, Box 171.....	Jackson
Lilly, Mary Reid, Mrs., 307 Salisbury Street.....	Wadesboro
Lindsey, Millie A., Miss, Route 5, Box 118.....	Reidsville
Lockard, Juanita L., Miss, 1116 Perkins Street.....	Greensboro
Lomax, Gertrude E., Miss, Box 27.....	Fort Lawn, S. C.
Lomax, W. T., Mrs.....	Reidsville
Lowe, Ralph Emerson	Reidsville
Malboro, Burtis Nathaniel, 304 Vail Street.....	High Point
Malloy, Lillie M. J. W., Mrs.....	Rich Square
Martin, John Q.....	Lexington
Massey, John Pride, 907 W. Windsor Street.....	Monroe
Meador, Annie Lee, Miss, P. O. Box 278.....	Reidsville
Means, E. Laura, Miss, 214 W. Sullivan Avenue.....	Gastonia
Merriweather, Loraine, Miss.....	Fort Bragg
Miller, Cecil C., Route 5, Box 380.....	Greensboro
Miller, Mary Louise, Miss, P. O. Box 34.....	Liberty
Miller, Maud, Miss, 913 Dunbar Street.....	Greensboro
Mitchell, James J., Route 4, Box 41.....	Ahoskie
Moffitt, James L., 907 Lincoln Street.....	Greensboro
Moore, Esther D., Mrs., 508 9th Avenue.....	Hickory
Morris, Washington I., Box 529.....	Reidsville
Moses, Frances G.....	Fort Bragg
Murchison, Ella E., Miss.....	Sanford
McAdoo, Mary L., Miss, Route 5, Box 345.....	Greensboro
McBroom, Erma Gertrude, Miss, Route 4, Box 91.....	Burlington
McCallum, Beatrice, Miss, Route 3, Box 88.....	Maxton
McCallum, Carsie B., Mrs., Route 3, Box 407.....	Greensboro
McCallum, Estelle, Miss, Route 3, Box 407.....	Greensboro
McCallum, Fannie M., Miss, Route 3, Box 407.....	Greensboro
McCleave, Allen F.....	Liberty
McCleave, Annie B., Mrs.....	Liberty
McNair, Thelma M., Miss, 436 E. Washington Street.....	Greensboro
McRae, Esther G., Miss.....	Troy
McRae, J. F., 807 E. Washington Street.....	Wilson
McRae, L. H., Route 1, Box 39.....	Jackson Springs
Nance, Bessie M., Mrs., P. O. Box 553.....	Greensboro
Neal, Flora B., Mrs.....	Lenoir
Newberry, Julia E., Mrs.....	Liberty
O'Neill, Rovenia Frazier, Mrs.....	Morganton
Parks, Herbert, 834 Austin Street.....	Greensboro

Patton, Regina E., Mrs.	Tryon
Peeler, Constance, Mrs., 220 Woodfin Street	Asheville
Penn, Fannie C., Miss	Reidsville
Perkins, Elizabeth J., Mrs., Silver Hill	Concord
Pettway, T. H.	Burlington
Phillips, Georgia L., Miss	Lenoir
Pittman, Pearl Hoover, Mrs., Box 753	Burlington
Plummer, Bertha L., Miss, 708 Simpson Street	Greensboro
Poole, Fannie Burwell, Mrs.	Middleburg
Purcelle, Emma Lee, Miss, Route 4, Box 158	Reidsville
Reid, C. J. B.	Belmont
Reid, James E., 814 Monroe Street	Salisbury
Reid, Mary P., Miss, 307 Salisbury Street	Wadesboro
Rhyne, Nellie R., Miss, P. O. Box 214	Lenoir
Riggsbee, Arlena Janet, Miss, Route 2, Box 19	Chapel Hill
Riggsbee, Clementine V., Mrs., 408 W. Rosemary Street	Chapel Hill
Rippy, Margaret H., Mrs., 106 Lincoln Avenue	Gastonia
Robinson, Edna Walter, Mrs., 308 Percy Street	Greensboro
Robinson, William D.	Burgaw
Robison, Augusta, Mrs.	Reidsville
Rogers, Mary Holt, Mrs.	Burlington
Rover, Martha B., Mrs.	Martinsville, Va.
Sandifer, Charlena G., Miss, 410 Chestnut Street	Greensboro
Sapp, William E., Route 3, Box 393a	Greensboro
Scurlock, David P.	Pinehurst
Setzer, Mary J. Brown, Mrs., Route 3, Box 111	Greensboro
Sharpe, Lessie I., Mrs., 517 S. Ashe Street	Greensboro
Shelton, Sophie L., Miss, 552 Jones Street	Spartanburg, S. C.
Shuford, Priscilla C., Mrs., 111 Luther Street	Greensboro
Singfield, Annie Dora, Miss, 1602 Forest Street	Augusta, Ga.
Smith, Annie L., Miss, Route 2, Box 10	Liberty
Smith, Lina B. Jones, Mrs., 409 Boyd Street	Greensboro
Smith, Thelma Pitts, Mrs., 1700 Spring Garden Street	Greensboro
Snipes, James T.	Chapel Hill
Spaulding, Leora Jones, Mrs., 1009 Lindsay Street	Greensboro
Spinkes, Alvesta E., Miss, Box 33	Ulah
Stanley, Clara A., Mrs., 128 W. Paxton Street	Danville, Va.
Staley, Martha E.	Asheboro
Street, Lessie J. N., Miss, Route 2, Box 17	Greensboro
Stewart, Charles Boise, Box 171	Bessemer City
Tarpley, Lucille C. S., Mrs., 1102 Gorrell Street	Greensboro
Thomas, Grace James, Miss	Troy
Thomas, Lillian S., Miss	Biscoe

Thomas, Nannie.....	Reidsville
Thompson, Eula L.....	Lumberton
Thompson, Robenia W., Miss, Route 3.....	Sanford
Tillman, G. D., P. O. Box 2.....	Lincolnton
Tillman, Talmage C., 208 W. Walnut Avenue.....	Gastonia
Tonkins, Mary M., Miss.....	Sedalia
Towns, Eva A., Mrs.....	High Point
Vick, Doris V., Miss, 622 E. Green Street.....	Wilson
Walker, B. H., Brainerd Inst.....	Chester, S. C.
Walker, Lois V., Miss, 802 Jefferson Street.....	Dublin, Ga.
Walker, Margaret B., Mrs., Brainerd Inst.....	Chester, S. C.
Walker, Mary R. H., Mrs., Route 5.....	Danville, Va.
Wallace, Janie B., Miss, 817 E. 8th Street.....	Charlotte
Ward, Horace Greely.....	Windsor
Warren, William R., 58 Liberty Street.....	Long Branch, N. J.
Watts, Zelma Belton, Mrs., 247 Cleveland Street.....	Danville, Va.
Webb, Una W., Mrs., Dudley Street.....	Greensboro
Webber, Vergie A., Miss.....	Bessemer City
White, Josie B., Miss, 921 E. 13th Street.....	Winston-Salem
White, Martha V., Miss, 1300 Pine Street.....	Chattanooga, Tenn.
Whitworth, Ruth V., Miss, 421 Bennett Street.....	Greensboro
Williams, Alfonso Leo.....	Whiteville
Williams, B. Lee, Miss, 703 Tower Hill Street.....	Kinston
Williams, Clarence.....	Littleton
Williams, Henerietta E., Miss.....	Barnwell, S. C.
Williams, Jessie M., Miss, 703 Tower Hill.....	Kinston
Williams, Jettie C. G., 216 N. Gilmer Street.....	Greensboro
Williams, Willie D. Yarborough, P. O. Box 38.....	Winfall
Wilmer, Elsie J., Miss, 324 Bradley Road.....	Danville, Va.
Wilmer, Louise, Miss, 324 Bradley Road.....	Danville, Va.
Witherrow, Clima, Miss, P. O. Box 34.....	Liberty
Withers, Rose Mae, Miss, 519 Bennett Street.....	Greensboro
Wood, Ferne, Miss, 223 E. Gaston Street.....	Greensboro
Wood, Naurice F., 221 E. Gaston Street.....	Greensboro
Wynn, Leo, 402 Spruce Street.....	Goldsboro

SUMMER SESSION 1932

(Second Session)

Adams, Lottie Mae.....	West Gastonia
Aldridge, Leola Annis, 1100 E. Washington Street.....	Greensboro
Allison, Geraldine, 409 Dudley Street.....	Greensboro
Arledge, Odessa, Miss, 501 Benbow Road.....	Greensboro
Artis, Amos Isaac, 503 Boyd Street.....	Greensboro

Artis, Archie Charles, 607 Thomas Street.....	Durham
Barnhill, Della E., Mrs.....	Troy
Barnhill, Marietta, Miss.....	Troy
Barnhill, O. F.....	Troy
Barrier, Josephine, Miss, 122 N. Dudley Street.....	Greensboro
Bobo, Olive, Miss, 397 Evins Street.....	Spartanburg, S. C.
Broadhurst, H. H.....	Seven Springs
Brooks, Mabel V., Miss.....	Woodsdale
Brooks, Roscoe C.....	Woodsdale
Brown, Essie Marie, Miss, 700 Benbow Road.....	Greensboro
Butler, Daniel Cornell, 608 Jenkins Street.....	Greenville, S. C.
Capel, E. M., Mrs., 309 Salisbury Street.....	Wadesboro
Cooper, Charlotte L., Miss, 263 W. 152nd Street.....	New York City
Cooper, George W.....	Hertford
Corbett, Margaret L., Miss, 125 N. Dudley Street.....	Greensboro
Corrothers, Grace A., Miss, Box 255.....	Warren, Arkansas
Crowe, Mattie L., Mrs., 917 Wilmington Street.....	Greensboro
Curtis, T. W., 1010 Fayetteville St.....	Durham
Daniels, Mildred G., Mrs.....	Reidsville
Darden, Margaret L., Miss, 305 W. Elm Street.....	Goldsboro
Dodson, Olivia, Miss, 1267 Paxton Street.....	Danville, Va.
Dorsett, L. Mae, Miss.....	Mt. Vernon Springs
Douglas, Robert James, 717 Adams Street.....	Vicksburg, Miss.
Dupree, Ollen A.....	Greenville
Elliott, Elmond A., 58 Dobbs Street.....	Hertford
Fisher, Catheryne, Miss, 1112 Pine Street.....	Durham
Ford, Flossie E., Miss, Route 1.....	Whiteville
Foust, Loretta Annabelle, Miss, 424 N. Dudley Street.....	Greensboro
Franks, Marjorie, Miss.....	Asheboro
Freeland, Margaret E., Miss, 610 Price Street.....	Durham
Galloway, Tedia Mae, Miss, 267 Rockford Street.....	Mt. Airy
Gill, Emma Leola, Miss, 206 W. Walnut Street.....	Gastonia
Gladen, Victoria, Miss, 2112 Sumter Street.....	Columbia, S. C.
Gordon, Mamie, Miss.....	Kings Mountain
Grandy, Clemuel, 606 Dunbar Street.....	Durham
Grant, Ernest E.....	Asheboro
Graye, Mytrolene L., Miss, 428 Neff Street.....	Jackson, Tenn.
Greer, Maud C., Miss, 406 Stewart.....	Greensboro
Greeg, Lillian.....	Darlington, S. C.
Hairston, Nicholas, 1425 Sandusky Street.....	Pittsburg, Pa.
Hall, George S., Route 10, Box 246.....	Charlotte
Hall, James W., Box 332.....	Oxford
Harris, Carolyn B., Miss, 910 Dunbar Street.....	Greensboro

Harris, Charlie Willie, Miss, 1220 E. Market Street.....	Greensboro
Harris, Emma B., Miss	Littleton
Harris, Gertrude Rosa.....	Pekin
Harris, Lillian Slade, Mrs.....	St. Marys, Ga.
Harrison, Hattie R., Miss.....	Cumnock
Harrison, Maude E., Miss.....	Cumnock
Hawkins, Ednir Elizabeth, Miss.....	Wadesboro
Hazel, Irene Mabel, Miss.....	Burlington
Hazel, Lorine, Miss.....	Burlington
Hennessee, Annie Margaret, Miss, 202 White Street.....	Morganton
Henry, Addie M., Mrs., 87 Ridge Street.....	Reidsville
Hicks, Elizabeth Naomi, Miss.....	Thomasville
Hill, Birdie Lee, Miss, 304 Beach Street.....	Greensboro
Hines, Edward, 317 Beech Street.....	Greensboro
Holcombe, Julia, Miss, 545 Jones Street.....	Spartanburg, S. C.
Holloway, Edythe L., Miss, 213 Burkmount Avenue.....	Morganton
Hooper, Edna C., Miss.....	Leaksville
Holt, Ava, Miss.....	Graham
Holt, Willie Lee, Miss, 718 S. Ashe Street.....	Greensboro
Horne, Alcia F., Miss	Wadeville
Huntley, Lydia Bertina, Miss, 938 W. McCullouch Street.....	Greensboro
Jackson, Fannie P., Mrs. 30 N. Evan Street.....	Greenville
Jackson, Lillian G., Miss, 417 Banks Street.....	Greensboro
James, Katherine E., Miss.....	Reidsville
Jenkins, Bennie H., 312 Maple Street.....	Ahoskie
Jones, Lillie Belle, Miss, Box 254.....	Franklin
Keiser, Luther A.....	Oxford
Kemp, Zora, Miss.....	Waynesville
Lash, Miriam W., Route 3, Box 47.....	Winston-Salem
Laws, Shelby J., Miss, 32 Rhifer Street.....	Asheville
Leake, James Kermit, Bennett College for Women	Greensboro
Ledbetter, Freeman H., 149 Beech Street.....	Greensboro
Lomax, Bertha B., Box 221.....	Reidsville
Lumpkin, Muldro, P. O. Box 171.....	Gt. Falls, S. C.
McClain, Fannie.....	Mt. Holly
McCleave, Allen F.....	Liberty
McCoy, Ollie G., Miss.....	W. Palm Beach, Fla.
McNair, Thelma M., Miss, 436 E. Washington Street.....	Greensboro
McRae, Esther Grace, Miss, Box 273.....	Troy
McRae, J. F., 807 E. Nash Street.....	Wilson
McRae, L. H., Route 1.....	Jackson Springs
Malloy, Lillie M. J. W., Mrs.....	Rich Square
Martin, Thomas W., Box 282.....	Spray

Massey, John Pride, 907 W. Windsor Street.....	Monroe
Means, E. Laura, Miss, 214 W. Sullivan Street.....	Gastonia
Merriweather, Loraine, Miss.....	Fort Bragg
Miller, Calvin Cecil, Route 5, Box 380.....	Greensboro
Miller, Maud, Miss, 913 Dunbar Street.....	Greensboro
Moore, Gertrude, Mrs., 831 Crawford Street.....	Rock Hill, S. C.
Morris, Mary E., 217 Dorland Street.....	Concord
Moses, Francis G.	Fort Bragg
Murchison, Ella Estelle, Miss.....	Sanford
Nance, Bessie M., Mrs., P. O. Box 523.....	Greensboro
Nicholson, Wallace, Bertie Academy.....	Trenton, S. C.
Paige, Sudie B., 507 McKinley Street.....	Greenville
Peddy, William A., N. C. College.....	Durham
Perkins, Elizabeth J., Mrs., Silver Hill.....	Concord
Plummer, Bertha Lee, Miss, 708 Simpson Street.....	Greensboro
Poole, Fannie Burwell.....	Middleburg
Purcell, Emma Lee, Miss, Route 4, Box 158.....	Reidsville
Reid, Mary P., Miss, 307 Salisbury Street.....	Wadesboro
Revis, Addie, Miss, Route 4.....	LaGrange
Rippy, Margaret H., Mrs., 106 Lincoln Avenue.....	Gastonia
Robinson, Edna Walters, Mrs., 308 Percy Street.....	Greensboro
Robison, Augusta, Mrs., 118 Prince Street.....	Reidsville
Sandifer, Charlena G., Miss, 410 Chestnut Street.....	Greensboro
Sapp, William E., Route 3, Box 393a.....	Greensboro
Scott, Bertha, Miss, 708 Gray Street.....	Durham
Scott, Dollie E., Miss, 1006 Benbow Road.....	Greensboro
Scurlock, David P.	Pinehurst
Setzer, Mary J., Mrs., Route 3, Box 111.....	Greensboro
Shuford, Priscilla C., Mrs., 111 Luther Street.....	Greensboro
Sinclair, Edward, 213 N. Dudley Street.....	Greensboro
Sinclair, Nancy Baucum.....	Troy
Singfield, Annie Dora, Miss, 1602 Forest Street.....	Augusta, Ga.
Smith, India Banks, Mrs., 702 Booker Street.....	Durham
Snipes, James T.	Chapel Hill
Spaulding, Leora Jones, Mrs., 1009 Lindsay Street.....	Greensboro
Stanley, Clara A., Mrs., 1283 W. Paxton Street.....	Danville, Va.
Stokes, George S.	Middlesex
Taylor, Martha C., Miss.....	Abbeville, S. C.
Thomas, Grace James, Miss.....	Troy
Thomas, Jasper R.	Method
Thompson, Robenia Willie, Miss, Route 3.....	Sanford
Thorpe, Lucy, Miss.....	Kittrell
Tillman, Talmadge, 208 W. Walnut Avenue.....	Gastonia

Turner, Margaret J., Miss, 603 W. 25th Street.....	Winston-Salem
Walker, B. H., Brainerd Inst.....	Chester, S. C.
Walker, Margaret B., Mrs., Brainerd Inst.....	Chester, S. C.
Walker, Jannie H. A.....	Reidsville
Wallace, Janie B., Miss, 817 E. 8th Street.....	Charlotte
Ward, Horace Greely.....	Windsor
Ward, Lillian M., Miss, Box 291.....	Leaksville
Webber, Vergie A., Miss.....	Bessemer City
White, Bleka L., Miss, 218 S. Wilson Street.....	Rock Hill, S. C.
White, Charles G.....	Powellsville
White, Josie B., 921 E. 13th Street.....	Winston-Salem
Whitted, William H., 704 Holt Street.....	Goldsboro
Williams, Henrietta E., Miss.....	Barnwell, S. C.
Williams, Willie D. Yarborough, P. O. Box 38.....	Winfall
Wilmer, Elsie J., Miss, 324 Bradley Road.....	Danville, Va.
Wilmer, Louise, Miss, 324 Bradley Road.....	Danville, Va.
Witherrow, Clima, Miss, P. O. Box 34.....	Liberty
Withers, Rose Mae, Miss, 519 Bennett Street.....	Greensboro
Witherspoon, Whitter, 604 N. Marietta Street.....	Gastonia
Wood, Frances C., Miss.....	Charlotte, C. H. Wright
Wright, Hattie Graves, Miss, 422 N. Dudley Street.....	Greensboro
Wynn, Leo, 402 Spruce Street.....	Goldsboro

EXTENSION DEPARTMENT, 1932-1933

ABERDEEN CENTER

Arnett, Bloomer, Miss.....	Marietta
Byrd, M. Vernona, Miss, Box 2.....	Aberdeen
Clark, Cleopatria, Miss.....	Aberdeen
Clark, Irma C., Miss.....	Hickory
Graves, Roberta, Miss, 501 Lindsay Street.....	Greensboro
Hill, Mary K., Mrs.....	Aberdeen
Jackson, Lillian Gilbert, Miss, 417 Banks Street.....	Greensboro
Lashley, Georgia M., Mrs.....	Aberdeen
Macbeth, L. Virginia, Miss, 128 Calhoun Street.....	Charleston, S. C.
Mitchell, Laura Taylor, Mrs.....	Fayetteville
Murphy, George C.....	Southern Pines
McLaurin, K. W., Mrs.....	
McRae, J. F., 807 E. Nash Street.....	Wilson
McRae, Mary L., Mrs., 807 E. Nash Street.....	Wilson
Parker, Sarah Amanda, Miss, Route 1, Box 95.....	Red Springs
Perkins, Elizabeth J.....	
Robinson, Irma L., Miss, 119 Cannon Street.....	Charleston, S. C.
Saunders, James Thomas, Box 127.....	Southern Pines

Saunders, Otelia J., Mrs., Box 127.....	Southern Pines
Scurlock, David P.....	Raeford
Scurlock, Maymie K. M., Mrs., Box 535.....	Raeford
Spencer, Chancy Taylor, Mrs., P. O. Box 415.....	Pinehurst
Street, Lessie.....	
Taylor, Edna B., Mrs.....	Pinehurst
Taylor, Margaret C., Miss, Box 415.....	Pinehurst
Walker, Ahesleyh Wenona.....	Aberdeen

ASHEBORO CENTER

Brewer, Flossie, Mrs.....	Asheboro
Brown, Agnes C., Miss, 424 Boyd Street.....	Greensboro
Brown, Essie Marie, Miss, Box 2.....	Trinity
Davis, Ruth Alston, Mrs., Route 4, Box 4.....	Greensboro
Haith, Duval Ella, Miss, 310 Regan Street.....	Greensboro
Hoover, Ruth, Miss.....	Asheboro
Lilly, Margaret, Miss.....	Asheboro
McCoy, Effa Reid, Mrs.....	Ramseur
Staley, Martha E., Miss.....	Asheboro
Wallace, Addie, Miss.....	Randleman
Watkins, Louise Hardy, Miss.....	Asheboro

BURLINGTON CENTER

Albright, John W.....	Burlington
Chandler, Sadie D., Mrs.....	Graham
Day, Juanita, Miss, 142 Mitchell Street.....	Greensboro
Faucette, Elizabeth N., Miss.....	Burlington
Faucette, Eunice M., Miss.....	Burlington
Faucette, Herman H., Route 4.....	Burlington
Graves, Bernice K., Mrs., 1210 Sloan Street.....	Greensboro
Gunn, J. F., Mrs., P. O. Box 144.....	Burlington
Hawkins, Belle T.....	Burlington
Hawkins, O. W., Rev.....	Burlington
Headen, Marguerite Hicks, Mrs., 912 Benbow Road.....	Greensboro
Holt, Ava, Miss, P. O. Box 64.....	Graham
Holt, Lizzie L.....	Gibsonville
Houston, Lillian Tyson, Mrs., 810 Logan Street.....	Greensboro
Ingram, Geneva C. B., Mrs.....	High Point
Jeffries, J. W.....	Graham
Keck, Fostena Everett, Mrs.....	Graham
McRae, Merle B., Box 802.....	Burlington
Moore, Grace Louise.....	Burlington
Poole, Mabel Harden, Mrs.....	Graham

Robinson, Minetta, Miss, 110 Normal St.	High Point
Robers, Annie P.	Graham
Sharp, Lessie Irvin, Mrs., 617 Ashe Street	Greensboro
Slade, S. W. R.	Raleigh
Taylor, Ruth M., 415 Cozart Avenue	Durham
Walker, Minnie, P. O. Box 833	Burlington
Wilson, Carrie Spaulding, Mrs.	Graham
Worth, Thomas R., Route 1	Haw River

CARTHAGE CENTER

Barrett, Bessie Johnson, Mrs.	Cameron
Barrett, Emma, Miss	Carthage
Blue, Annie W., Mrs.	Carthage
Foushee, Blanche M., Miss, Route 3, Box 91	Glendon
Gaston, Albert S., 132 W. County Street	Phoebus, Va.
Gaston, Annie L., Mrs., 132 W. County Street	Phoebus, Va.
Green, Geneva J., Miss	Portsmouth, Va.
Jenkins, James Martin	Cameron
Penman, James Thomas, Route 2	Lancaster, Ky.
Person, John Scipio	Carthage
Person, Lillie Etta, Miss, Route 2	Carthage
Person, Priscilla, Miss, Route 1, Box 8	Carthage
Pinckney, Anthony C.	Carthage
Tillman, Tarba L., Miss, 600 N. White St.	Lancaster

GREENSBORO CENTER

Arledge, Odessa, Miss, 501 Benbow Road	Greensboro
Ashmore, Juanita B., Miss, 435 Dudley Street	Greensboro
Bradford, E. P., Mrs., 909 Lindsay Street	Greensboro
Buffaloe, Annie Taylor, Mrs.	Brown Summit
Cotton, Eunice Vivian, Mrs., 513 Boyd Street	Greensboro
DeHuguley, Clyde, 360 W. Bragg Street	Greensboro
Dennis, F. Davis, Mrs., 301 Carmel Street	Charlotte
Enoch, Dorathea Sharpe, 913 Benbow Road	Greensboro
Faulkner, Ralph C. S., 131 N. Dudley Street	Greensboro
Greer, Alma, 506 Stewart Street	Greensboro
Hill, Pattie Miller	Greensboro
Howell, Clifton O'Neal	Brown Summit
Jones, Nannie C., Mrs., 317 Beech Street	Greensboro
Laughlin, Duella McRae, 1701 E. Market St.	Greensboro
Law, Carolyn, Miss, 226 N. Gilmer St.	Greensboro
Minor, Irene Galloway, 413 Bennett Street	Greensboro
Mitchell, John W.	Greensboro

Neal, Grace, Miss, 502 Beech Street.....	Greensboro
Roberts, Mattie J., 127 Mitchell Street.....	Greensboro
Shoffner, Lea A., Miss, 110 Laurel St.....	Greensboro
Taylor, Mamie C.....	Brown Summit
Washington, N. G., 404 Banks Street.....	Greensboro
Webster, N. C., 219 Dudley Street.....	Greensboro
White, Kittie H., 346 Regan Street.....	Greensboro

LAURINBURG CENTER

Blackmon, Lula, Route 3.....	Bailey
Blue, Rosa M., Route 2, Box 143.....	Laurinburg
Dockery, Cora Pearl.....	Laurel Hill
Ford, Ethyle Lee.....	Laurinburg
Lane, Alberta, Route 4, Box 1a.....	Laurinburg
McEachnin, McCall Willie P., Route 2.....	Laurinburg
McKinnon, Anna D.....	John's
McLaurin, Bennie E., 608 Taft Street.....	Laurinburg
McLester, Jenniee Lee.....	Laurinburg
McMillan, Mammie.....	Laurel Hill
McNeill, Gertrude.....	Raeford
Parker, Alice.....	Laurinburg
Pugh, Thelma D.....	Laurinburg
Saunders, Geneva Hall.....	Laurinburg
Strother, Sarah E.....	Laurel Hill
Troy, Edith Haas, Route 2.....	Council
Wade, Lou Bertha McKan.....	High Point
Wilcox, Eunice, Route 4, Box 1a.....	Laurinburg

LEAKSVILLE CENTER

Allen, Evelyn D., 407 N. Holbrook Street.....	Danville, Va.
Bell, Bethel M., Mrs.....	Leaksville
Boyd, Beulah McCorkle, Mrs., 519 S. Craig Street.....	Salisbury
Foye, Anna Dillard, Mrs., Box 153.....	Leaksville
Hamlin, Abigail, Miss, Route 1, Box 47.....	Leaksville
Martin, Leona Mae, Miss.....	Leaksville
Miller, Wilba Elouise, Miss.....	Barber
Pickard, Adele, Miss, 46 Robinson Street.....	Reidsville
Reese, Ophelia E., Miss.....	Leaksville
Richardson, Charlie L.....	Benaja
Richardson, Lula.....	Stoneville
Roberts, Eleanor, Mrs.....	Kings Mountain
Roberts, Maggie Gladys, Miss.....	Leaksville

LIBERTY CENTER

Alston, Vallie Leora, Miss.....	Siler City
Baldwin, Fannie Mae, Miss, 106 Beamon Street.....	High Point
Cooper, George W.....	Hertford
Dorsett, Mae L., Miss, Route 1.....	Mt. Vernon Springs
Foster, Lettie Liles, Mrs.....	Liberty
Foster, Orion P.....	Liberty
Foster, Mrs. Pluma L., Box 332.....	Liberty
Foushee, William, 839 Austin Street.....	Greensboro
Fox, Mrs. Louise R., 841 Austin Street.....	Greensboro
Fox, Madge L. Smith.....	Liberty
Gilmer, Mary Lee, Miss.....	Liberty
Greer, Maude C., Miss, 406 Stewart Street.....	Greensboro
Hackney, Lewis Henry.....	Chapel Hill
McCleave, Allen F.....	Goldston
McCleave, Annie B., Mrs.....	Goldston
Marsh, Anna Lee, Miss.....	Siler City
Moffitt, Mrs. Mattie A., 907 Lincoln Street.....	Greensboro
Newberry, Julia E., Mrs.....	Liberty
Nixon, Florence, Mrs., Route 3.....	Pittsboro
Rhodes, Leona, Miss.....	Rachland
Smith, Charlotte B., Miss, Route 2, Box 22.....	Liberty
Worthy, Laura R., Miss, Route 1.....	Sanford

LUMBERTON CENTER

Allen, David Prescott, Route 1, Box 61.....	Lumberton
Anderson, Katie B.....	Lumberton
Allen, Jennie E., Mrs., Route 1, Box 61.....	Lumberton
Bell, Mary L., Mrs., 602 Pine Street.....	
Brotherton, Katie J., Mrs., P. O. Box 412.....	Lumberton
Brown, Lucile J., Miss, 108 Cedar Street.....	Goldsboro
Buie, Josephine, Miss.....	Buie
Davis, Pleasant, Miss.....	Lumberton
Dunston, Bertha Lee, Miss.....	Franklinton
Floyd, Carra F., Mrs.....	Lumberton
Harrell, Katie T., Miss.....	Elrod
Harrington, Callie, Mrs.....	Red Springs
Higgins, Bernice B., Mrs.....	Fairmont
Humphrey, Clara, Miss, Route 3.....	Lumberton
Johnson, Ollie Mae, Mrs.....	Hickory
King, Emma, Mrs.....	Fairmont
Lewis, Atalanta Bryon E., Mrs.....	Lumberton
Love, Emma J. M., Mrs.....	Lumberton

REGISTER OF STUDENTS

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McCallum, Rosa E., Miss.....	Maxton
McEachin, Cora M., Mrs.....	Lumberton
McKay, Carrie V., Mrs.....	Lumberton
McKay, Nora B., Mrs., Box 441.....	Fairmount
McKeller, Mamie, Mrs., Box 624.....	Lumberton
McKoy, Enoch, Mrs.....	
McKoy, Hattie, Mrs.....	St. Paul
McKoy, S. E.....	St. Paul
McMillan, Cora L., Mrs., 201 6th Street.....	Lumberton
McNeill, Inez, Mrs., Box 495.....	Lumberton
McQueen, Maggie L., Miss.....	Purvis
Moore, Pearl, Mrs., Route 3.....	Lumberton
Newsome, Symera, Miss.....	Ahoskie
Peppers, Florence Lomax, Mrs., 601 N. Pine St.....	Lumberton
Powell, Esther Lee, Miss, Route 3, Box 43.....	Lumberton
Powell, Floyd Bessie, Mrs.....	Lumberton
Powell, Sarah, Miss, Route 3, Box 50.....	Lumberton
Spearman, Carletta, Mrs., Box 843.....	Lumberton
Spearman, Isadora.....	Lumberton
Singletary, Hayes S., Box 363.....	Lumberton
Thompson, A. G.....	Lumberton
Thompson, Bertha, Mrs., Route 3.....	Lumberton
Thompson, Eula L., Miss.....	Lumberton
Thompson, John A., Route 3.....	Lumberton
Thompson, Theressa Powell, Mrs., Route 3.....	Lumberton
Toon, Georgiana Blount, Mrs., Route 2.....	Lumberton
White, Madie L., Miss.....	Louisbury
Williams, Carrie, Mrs.....	Marietta
Wright, Malloy.....	St. Paul

MADISON CENTER

Carter, Gertrude E.....	Madison
Cardwell, Mattie, P. O. Box 232.....	Madison
Campt, Lowett Mason.....	Madison
Galloway, Mabel F., Miss.....	Madison
Morrow, Annie, 705 Vargrave Street.....	Winston-Salem
Penn, M. A., Mrs., 901 Austin Street.....	Greensboro
Penn, Samuel, 901 Austin Street.....	Greensboro
Scales, Mary J.....	Madison
Toliver, Crissie M.....	Sandy Ridge

MAXTON CENTER

Barr, Cora Lee, Miss.....	Red Springs
Bram, Sallie Jones.....	Red Springs

Brewington, Maggie L.	Maxton
Carpenter, Annette G.	Alma
Caple, Kazie	Maxton
Dean, R. B.	Maxton
Douglass, Mary	Red Springs
Graham, Carrie I.	Maxton
Graham, Pluma D.	Red Springs
Harrington, Gaovesten	Red Springs
Hayes, Lucy M.	Maxton
Henly, Eva C.	Red Springs
Johnson, Cora N.	Maxton
Leach, G. H.	Maxton
Mallory, Catherine	Maxton
Mallory, Mary D.	Maxton
McIver, Ethel V.	Maxton
McNair, Cora Lee	Elrod
McQueen, Mattie C.	Red Springs
Meekins, Elvina	Rowland
Thompson, Lubertha	John's
Vinson, Ione	Maxton
Williams, Louvinia	Red Springs

ROXBORO CENTER

Bowman, Beman, Jr.	Woodsdale
Brooks, Earle C. Talley, Mrs.	Woodsdale
Brooks, Leonidas	Woodsdale
Burton, Pearl E., Mrs.	Roxboro
Clayton, Annie Odessa, Miss, Route 1	Timberlake
Clayton, Julia P., Miss, Route 1	Timberlake
Graves, Augusta, Miss, Route 1	Roxboro
Harris, Littishia B., Miss	Roxboro
Hester, Elsie, Miss, Box 394	Roxboro
Humphrey, Flossie S., Miss, Route 1	Semora
Jeffers, Thelrey	Roxboro
Johnson, Maggie Unice, Miss	Roxboro
Williams, Mabel Beatrice, Miss, Route 2, Box 50	Woodsdale
Woods, Augustin Iris, Miss	Roxboro
Woods, Wilma Beatrice, Miss, Route 1, Box 7	Roxboro

TROY CENTER

Barnhill, O. F.	Troy
Bowden, Annie C., Miss, Route 3, Box 21	Mt. Gilead
Bowden, Bettie Blanche, Miss, Route 3, Box 21	Mt. Gilead

Burton, Gatsey F.	Wadeville
Carpenter, Vacie Emma, Mrs.	Wadeville
Dobbins, Bernice G.	Troy
Dobbins, Gertrude H., Box 321	Troy
Ewings, Iola Mae	Jackson Springs
Horne, Alcia F., Miss, Route 1, Box 56	Wadeville
McCoy, Loyie Eillen	Troy
McKoy, Annie, Mrs., Route 3, Box 78	Mt. Gilead
McRae, Esther Grace, Box 273	Troy
McRae, Rosatta Elizabeth, Box 273	Troy
Sinclair, Edward D., 213 N. Dudley Street	Greensboro
Sinclair, Nancy Baucum, Mrs., 213 N. Dudley Street	Greensboro
Thomas, Grace James	Troy
Tyson, Susie Mae	Troy

YANCEYVILLE CENTER

Barker, Sarah L. Johnson, 912 Benbow Road	Greensboro
Claiborne, Carrie D., Mrs., So. Main Street	Danville, Va.
Compton, Lewis Walter	Milton
Cowan, Blondola Brodnax, Mrs., 203 Holbrook Street	Danville, Va.
Currie, Lois L., Miss	Leasburg
Dillard, Hassie L., Miss	Leaksville
Freeman, Mattie P., Mrs.	Milton
Fullen, Maude Wilson, Mrs., 216 S. Main Street	Danville, Va.
Hagans, Julia B., Mrs.	Danville, Va.
Harraway, John F., 322 Ross Street	Danville, Va.
Holt, Willie Lee, Miss, 718 S. Ashe Street	Greensboro
Hughes, Mabel C., Mrs., 351 Holbrook Street	Danville, Va.
James, Katherine E., Miss	Reidsville
Geary, Nellie H., Mrs., 307 Holbrook Street	Danville, Va.
Luck, Catherine Winslow, Mrs., 341 Holbrook Street	Danville, Va.
Luck, Jemina H., 310 S. Main Street	Danville, Va.
Motley, Eliza, Mrs., 630 Monroe Street	Danville, Va.
Motley, Gladys, Miss, 531 Holbrook Street	Danville, Va.
Overby, Sarah F., Miss, 251 Holbrook Street	Danville, Va.
Poole, Alice M., Mrs.	Ruffin
Richardson, Margaret, Miss, R. 10, Box 304	Charlotte
Slade, Parelee, Mrs., Rural F. D. No. 5	Danville, Va.
Smith, Louise Elizabeth Morris, Mrs.	Greensboro
Stanley, Clara A., Mrs., 1283 W. Paxton Street	Danville, Va.
Watts, Zelma B., Miss, 247 Cleveland Street	Danville, Va.
Williams, Matilda Wilson, Mrs.	Milton
Wilmer, Louise, Miss, 324 Bradley Road	Danville, Va.
Williamson, Sadie, Miss	Ruffin

DISTRIBUTION BY CLASSES

College:

Seniors	33	
Juniors	52	
Sophomores	58	
Freshmen	74	
Special Students	11	
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Total	228	
Smith-Hughes Trade School	16	
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Total Enrollment of Regular Students		244
Regular Session, 1932-33	244	
Extension Classes, 1932-33	295	
Summer Quarter, 1932	404	
Grand total		943

ENROLLMENT BY STATES

School Year—1932-33

Alabama	1	Mississippi	2
Arkansas	2	New Jersey	4
Connecticut	2	New York	4
District of Columbia	1	North Carolina	515
Florida	4	Ohio	1
Georgia	9	Pennsylvania	5
Indiana	3	South Carolina	37
Louisiana	1	Tennessee	2
Massachusetts	3	West Virginia	1

ENROLLMENT BY FOREIGN COUNTRIES

Africa 1

DISTRIBUTION BY COUNTIES

Alamance	18	Jackson	1
Anson	6	Johnston	2
Beaufort	2	Jones	2
Bertie	7	Lee	4
Bladen	4	Lenoir	4
Buncombe	5	Lincoln	2
Burke	7	Mecklenburg	9
Cabarrus	7	Montgomery	23
Caldwell	3	Moore	7
Carteret	1	Nash	3
Catawba	3	New Hanover	6
Chatham	3	Northhampton	3
Chowan	1	Orange	3
Cleveland	3	Pender	1
Columbus	10	Person	6
Cumberland	3	Perquimans	7
Currituck	1	Pitt	8
Davidson	7	Polk	3
Duplin	2	Randolph	21
Durham	14	Richmond	5
Edgecombe	4	Robeson	4
Forsythe	7	Rockingham	32
Franklin	1	Rowan	5
Gaston	9	Rutherford	1
Granville	4	Surry	5
Greene	3	Union	3
Guilford	176	Vance	4
Halifax	5	Wake	6
Haywood	1	Warren	1
Hampton	2	Wayne	8
Hertford	4	Wilkes	1
Irdell	1	Wilson	1

APPLICATION BLANK
for admission to
THE AGRICULTURAL AND TECHNICAL COLLEGE
GREENSBORO, N. C.

1. Full name
(Last Name) (First Name) (Middle Name)
2. Complete address
(P. O. Box, or Street and Number, or R. F. D. and Box Number)
3.
(Name of Post Office, or Name of City and State)
4. Who is responsible for the payment of your bills?.....
5. What is his (or her) relation to you?.....
6. What is his address?
(Street and Number, or R. F. D. and Box; City and State)
7. Give name of the schools in which you received your former training:

Name of School (Example) Broad St. High	Address (Example) Apex, N. C. R.F.D. 1, Box 9	Years Attended (Example) 1920-21, '21-22	Principal (Example) Jno. Doe, Prin.

8. What is the highest class or grade you reached in school?.....
9. What is the date of your birth?.....
10. The A. and T. College has the following Schools:
Trade School (leads to a certificate).
COLLEGE (Four-year courses):
Department of Agriculture (leads to degree in Agriculture).
Department of Mechanic Arts (leads to degrees in Engineering, Archi-
tecture, etc.).
Department of Arts and Sciences (leads to degrees in Sciences and Edu-
cation).
Check the school, or schools, above which you wish to enter (check thus X).
(If Trade School grade, state what trade you wish to pursue.....)
11. If admitted to the A. and T. College, do you promise to abide by its rules and regulations?
12. To what church do you (or parent) belong?.....

The applicant has been admitted upon transcript of previous training and temporarily assigned to.....class (has been notified to appear on.....for examination).

Date.....Registrar.

DIRECTIONS FOR ENTRANCE

The Boarding Students will make the following payments:

MONTHLY PAYMENTS

September 11th	\$48.00
October 9th	20.50
November 6th	20.50
December 3rd	20.50
January 3rd (Laboratory Fees due).....	24.50
February 1st	20.50
March 1st	

REDUCED EXPENSES

SINCE THIS CATALOG HAS BEEN PRINTED EXPENSES OF BOARDING STUDENTS HAVE BEEN REDUCED TO \$45.50 INSTEAD OF \$48.00 UPON ENTRANCE AND \$18.00 PER MONTH THEREAFTER INSTEAD OF \$22.50 AS PUBLISHED IN THE CATALOG.

Students may remain on the campus longer than twenty-four hours without registering.

No student will be admitted to any department of the college until he has paid his first month's expenses.

Each student should bring two quilts or blankets, one counterpane, four sheets, two pillow cases, six towels, etc.

Parents are requested to send all money to the President rather than to the student.

